

8/3/05 10/75,277

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FILE 'HOME' ENTERED AT 14:20:28 ON 03 AUG 2005

=> fil reg

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY 0.21
TOTAL SESSION 0.21

FILE 'REGISTRY' ENTERED AT 14:20:37 ON 03 AUG 2005

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STRUCTURE FILE UPDATES: 2 AUG 2005 HIGHEST RN 857941-82-3

DICTIONARY FILE UPDATES: 2 AUG 2005 HIGHEST RN 857941-82-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

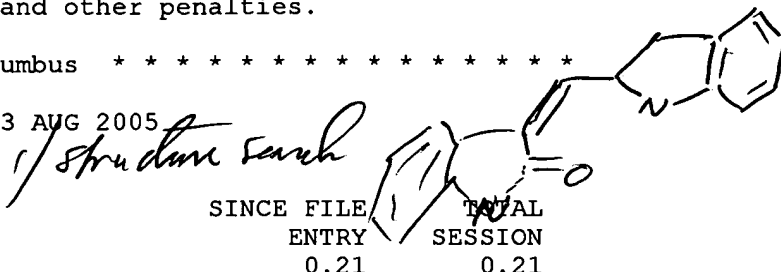
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

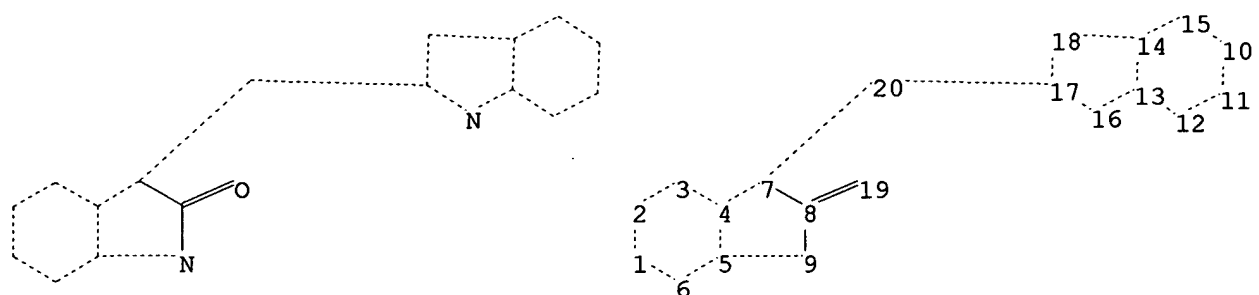
Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10725277\10725277f.str





chain nodes :

19 20

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

chain bonds :

7-20 8-19 17-20

ring bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 8-9 10-11 10-15 11-12 12-13 13-14
13-16 14-15 14-18 16-17 17-18

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-9 7-8 7-20 8-9 8-19 10-11 10-15 11-12
12-13 13-14 13-16 14-15 14-18 16-17 17-18 17-20

Match level :

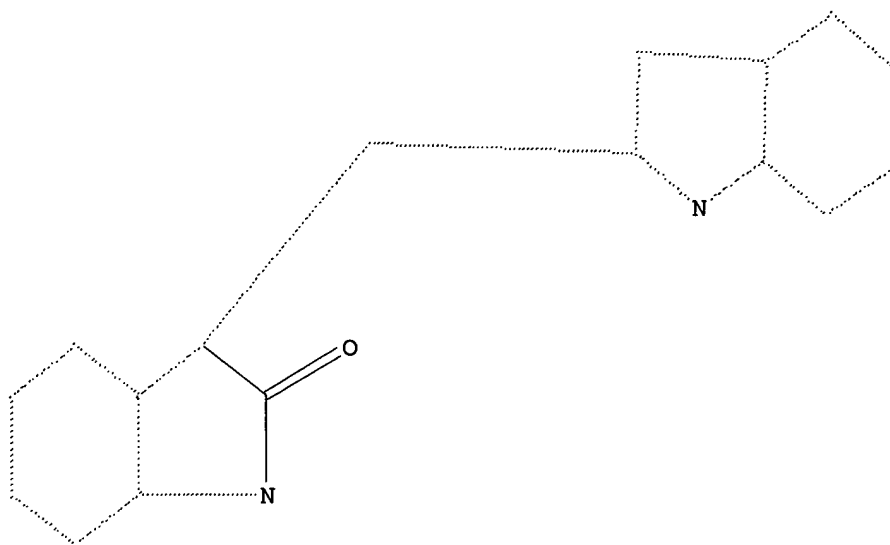
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s L1

SAMPLE SEARCH INITIATED 14:21:14 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 224 TO ITERATE

100.0% PROCESSED 224 ITERATIONS 17 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 3583 TO 5377
 PROJECTED ANSWERS: 93 TO 587

L2 17 SEA SSS SAM L1

=> s L1 full

FULL SEARCH INITIATED 14:21:30 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 4296 TO ITERATE

100.0% PROCESSED 4296 ITERATIONS 322 ANSWERS
 SEARCH TIME: 00.00.01

L3 322 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	161.76	161.97

FILE 'CAPLUS' ENTERED AT 14:21:42 ON 03 AUG 2005
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 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 3 Aug 2005 VOL 143 ISS 6
FILE LAST UPDATED: 2 Aug 2005 (20050802/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s L3

L4 35 L3

=> d ibib abs hitstr

L4 ANSWER 1 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2005:614538 CAPLUS
 TITLE: Real time electronic cell sensing systems and applications for cell-based assays
 INVENTOR(S): Xu, Xiao; Abassi, Yana; Wang, Xiaobo; Gan, Jiangbo
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 66 pp., Cont.-in-part of U.S. Ser. No. 705,447.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005153425	A1	20050714	US 2004-987732	20041112
WO 2004010102	A2	20040129	WO 2003-US22537	20030718
WO 2004010102	A3	20040722		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MV, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GE, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

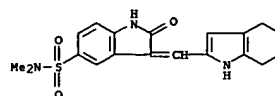
US 2004152067	A1	20040805	US 2003-705615	20031110
US 2005112544	A1	20050526	US 2003-705447	20031110

PRIORITY APPLN. INFO.:
 US 2002-435400P P 20021220
 US 2003-469572P P 20030509
 WO 2003-US22537 A 20030718
 US 2003-705447 A2 20031110
 US 2003-705615 A2 20031110
 US 2003-519567P P 20031112
 US 2004-542927P P 20040209
 US 2004-548713P P 20040227
 US 2002-397749P P 20020720
 WO 2003-US22537 A 20030718

AB The present invention includes devices, systems, and methods for assaying cells using cell-substrate impedance monitoring. In one aspect, the invention provides cell-substrate impedance monitoring devices that comprise electrode arrays on a nonconducting substrate, in which each of the arrays has an approx. uniform electrode resistance across the entire array. In another aspect, the invention provides cell-substrate monitoring systems comprising one or more cell-substrate monitoring devices comprising multiple wells each having an electrode array, an impedance analyzer, a device station that connects arrays of individual wells to the impedance analyzer, and software for controlling the device station and impedance analyzer. In another aspect, the invention provides cellular assays that use impedance monitoring to detect changes in cell behavior or state. In some preferred aspects, the assays are designed to investigate the affects of compds. on cells, such as cytotoxicity assays. In other preferred aspects, the assays are designed to investigate the compds. that affect IgE-mediated responses of cells to antigens.

IT 330161-87-0, SU6656
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (electronic cell sensing systems and applications for cell-based assays)

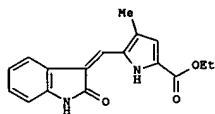
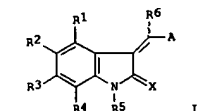
L4 ANSWER 1 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 330161-87-0 CAPLUS
 CN 1H-indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



=> d ibib abs hitstr 2-35

L4 ANSWER 2 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2005:567120 CAPLUS
 DOCUMENT NUMBER: 143:97259
 TITLE: Preparation of indolinone derivatives as agents to prevent, treat and/or ameliorate multiple sclerosis.
 INVENTOR(S): Bouerat, Laetitia Maud Elysa; Fensholdt, Jeff; Nielsen, Simon Feldbaek; Liang, Xifu; Havez, Sophie Elisabeth; Andersson, Ellen Christina; Jensen, Lene; Hansen, Jens Rainer
 PATENT ASSIGNEE(S): Leo Pharma A/S, Den.
 SOURCE: PCT Int. Appl., 198 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005058309	A1	20050630	WO 2004-DK875	20041216
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:		US 2003-529630P		P 20031216
G1				



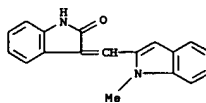
AB Title compds. I (R1-4 = H, halo, trihalomethyl, etc.; R5 = H, OH, alkyl, etc.; R6 = H, alkyl, cycloalkyl, etc.; A = Ph, mono/bicyclic heteroaryl.

L4 ANSWER 3 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2005:516338 CAPLUS
 DOCUMENT NUMBER: 143:55640
 TITLE: Identifying, selecting and/or characterizing compounds which modulate the activity of an Src family kinase
 INVENTOR(S): Obermeier, Axel; Bieger, Boris
 PATENT ASSIGNEE(S): Sironade Pharmaceuticals AG, Germany
 SOURCE: Eur. Pat. Appl., 114 pp.
 CODEN: EPXIXD
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1541694	A1	20050615	EP 2003-28713	20031212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK WO 2005059168 A1 20050630 WO 2004-EP53321 20041207 V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:		EP 2003-28713		A 20031212

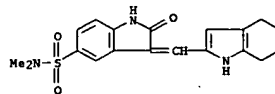
AB The invention relates to a method of identifying, selecting and/or characterizing a compound which modulates the activity of at least one Src family kinase. The method comprises (a) cultivating a cell or cell line containing at least one nucleic acid coding for a Src family kinase or a mutated Src family kinase under suitable conditions, (b) expressing the nucleic acid(s) in the cell(s), (c) contacting the cell(s) of step (b) with at least one test compds., and (d) determining whether the phenotype of the cell(s) of step (c) is changed as compared with the phenotype of the cell(s) of step (b). Preferably, the invention employs at least one Src family kinase mutation which leads to a hyperactive form of a Src family kinase and, moreover, exhibits a mutation which allows determination of the specificity and binding mode of a test compds. ("double mutant type"). Thus, in human Src kinase, a critical lysine-298 in the ATP-binding consensus site of the tyrosine kinase domain is mutated to alanine, thereby abolishing ATP binding, and allowing use as a control for compound-mode-of-action. Threonine-341 in the ATP binding site may be mutated to glutamine, and tyrosine-530 is mutated to phenylalanine, resulting in a hyperactive form of Src. Displaying the most dramatic phenotypic response, cell lines expressing Src-Y530F seem ideally suited to establish a method enabling a highly parallel and quant. readout of the readily observable phenotype changes and their suppression by potential Src inhibitory test compds. For reasons of classification of novel inhibitors according to their mode of action and specificity, the SRC-TQ/YF and SRC-KA expressing cell lines may be employed. Suppression of biol. responses by the chemical compds. PP1-Chr, SU6656, PP2, geldanamycin, 17-AAG, and radicicol provide proof-of-principle. The invention further relates to compds. identified by said method,

L4 ANSWER 2 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 etc.; X = O, S] are prepd. For instance, II is prepd. from 5-formyl-4-methyl-1H-pyrrole-2-carboxylic acid Et ester and 1,3-dihydroindol-2-one (EtOH, piperidine) in 99% yield. In an assay of exptl.-induced autoimmune encephalomyelitis (EAE) compds. of the invention, in particular, 3-(3,5-dimethyl-1H-pyrrol-2-ylmethylene)-1,3-dihydroindol-2-one (no exptl.), is shown to significantly inhibit EAE compared to dexamethasone; both compds. are known KDR kinase inhibitors. I are useful for the prevention, treatment or amelioration of multiple sclerosis, or to delay the onset of or reduce the relapse rate in multiple sclerosis.
 IT 856436-10-5P, 3-(1-Methyl-1H-indol-2-ylmethylene)-1,3-dihydroindol-2-one
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of indolinone derivs. as agents to inhibit exptl.-induced autoimmune encephalomyelitis)
 RN 856436-18-5 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 pharmaceutical compns. and the use of those compds. and pharmaceutical compns. in the treatment of diseases, which are at least in part caused by a Src family kinase.
 IT 330161-87-0, SU6656
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (identifying, selecting and/or characterizing compds. which modulate the activity of an Src family kinase)
 RN 330161-87-0 CAPLUS
 CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:451524 CAPLUS
DOCUMENT NUMBER: 142:478368
TITLE: Real time electronic cell sensing systems and applications for cell-based assays
INVENTOR(S): Xu, Xiao; Abbassi, Yama; Wang, Xiaobo; Gan, Jiangbo
PATENT ASSIGNEE(S): USA
SOURCE: PCT Int. Appl., 161 pp.
CODEN: PIXKD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005047482	A2	20050526	WO 2004-US37696	20041112
WO 2005047482	A3	20050707		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BV, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

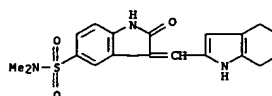
PRIORITY APPLN. INFO.:
US 2003-519567P P 20031112
US 2004-542927P P 20040209
US 2004-548713P P 20040227

AB The present invention includes devices, systems, and methods for assaying cells using cell-substrate impedance monitoring. In one aspect, the invention provides cell-substrate impedance monitoring devices that comprise electrode arrays on a nonconducting substrate, in which each of the arrays has an approx. uniform electrode resistance across the entire array. In another aspect, the invention provides cell-substrate monitoring systems comprising one or more cell-substrate monitoring devices comprising multiple wells each having an electrode array, an impedance analyzer, a device station that connects arrays of individual wells to the impedance analyzer, and software for controlling the device station and impedance analyzer. In another aspect, the invention provides cellular assays that use impedance monitoring to detect changes in cell behavior or state.

IT 330161-87-0, SU6656
RI: ANT (Analyte); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)
(Target area: real time electronic cell sensing systems and applications for cell-based assays)

RN 330161-87-0 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

L4 ANSWER 4 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



L4 ANSWER 5 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN

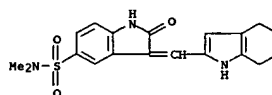
ACCESSION NUMBER: 2005:423985 CAPLUS
DOCUMENT NUMBER: 143:5153
TITLE: The membrane cytoskeletal crosslinker ezrin is required for metastasis of breast carcinoma cells
AUTHOR(S): Elliott, Bruce E.; Meens, Jaina A.; SenGupta, Sandip K.; Louvard, Daniel; Arpin, Monique
CORPORATE SOURCE: Division of Cancer Biology and Genetics, Cancer Research Institute, Queen's University, Kingston, ON, Can.
SOURCE: Breast Cancer Research (2005), 7(3), R365-R373
CODEN: BRCRFS; ISSN: 1465-542X
URL: <http://breast-cancer-research.com/content/pdf/bcr1006.pdf>
PUBLISHER: BioMed Central Ltd.
DOCUMENT TYPE: Journal; (online computer file)
LANGUAGE: English

AB Introduction: The membrane cytoskeletal crosslinker ezrin participates in several functions including cell adhesion, motility and cell survival, and there is increasing evidence that it regulates tumor progression. However, the role played by ezrin in breast cancer metastasis has not been clearly delineated. Methods: We examined the role of ezrin in metastasis using a highly metastatic murine mammary carcinoma cell line, namely AC2M2. Stable cell clones that overexpress wild-type ezrin or a dominant-neg. amino-terminal domain of ezrin were selected. They were then tested for cell motility and invasion in vitro, and metastasis in a mouse in vivo tumor transplantation model. Results: Parental AC2M2 cells and cells overexpressing wild-type ezrin were transplanted into the mammary fat pad of syngeneic recipient mice; these animals subsequently developed lung metastases. In contrast, expression of the dominant-neg. amino-terminal ezrin domain markedly inhibited lung metastasis. Consistent with this effect, we observed that the expression of amino-terminal ezrin caused strong membrane localization of cadherin, with increased cell-cell contact and a decrease in cell motility and invasion, whereas cells expressing wild-type ezrin exhibited strong cytoplasmic expression of cadherins and pseudopodia extensions. In addition, inhibitors of phosphatidylinositol 3-kinase and c-Src significantly blocked cell motility and invasion of AC2M2 cells expressing wild-type ezrin. We further found that overexpression of amino-terminal ezrin reduced levels of Akt pS473 and cytoskeletal-associated c-Src pY418 in AC2M2 cells, which contrasts with the high levels of phosphorylation of these proteins in cells expressing wild-type ezrin. Phosphorylated Erk1/2 was also reduced in amino-terminal ezrin expressing cells, although a mitogen-activated protein kinase kinase (MEK) inhibitor had no detectable effect on cell motility or invasion in this system. Conclusion: Our findings indicate that ezrin is required for breast cancer metastasis, and that c-Src and phosphatidylinositol 3-kinase/Akt are effectors of ezrin in the cell motility and invasion stages of the metastatic process. Together, these results suggest that blocking ezrin function may represent a novel and effective strategy for preventing breast cancer metastasis.

IT 330161-87-0, SU6656
RI: BSU (Biological study, unclassified); BIOL (Biological study)
(c-Src was required for ezrin-mediated cell motility and invasion of metastatic murine breast carcinoma AC2M2 cell line evident by attenuation of cell motility by c-Src inhibitor SU6656)

RN 330161-87-0 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 2005:416371 CAPLUS

DOCUMENT NUMBER: 143:1108

TITLE: Inhibition of neuronal apoptosis by the cyclin-dependent kinase inhibitor GW8510: Identification of 3' substituted indolones as a

AUTHOR(S): Johnson, Kyle; Liu, Li; Majdzadeh, Nazanin; Chavez, Cindy; Chin, Paul C.; Morrison, Brad; Wang, Lulu; Park, Janet Chugh, Priti; Chen, Hsin-Mei; D'Mello, Santosh R.

CORPORATE SOURCE: Department of Molecular and Cell Biology, University of Texas at Dallas, Richardson, TX, USA

SOURCE: Journal of Neurochemistry (2005), 93(3), 538-548

CODEN: JONRA9; ISSN: 0022-3042

PUBLISHER: Blackwell Publishing Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Increasing evidence suggests that neuronal apoptosis is triggered by the inappropriate activation of cyclin-dependent kinases leading to an abortive re-entry into the cell cycle. Pharmacol. inhibitors of cell-cycle progression may therefore have value in the treatment of neurodegenerative diseases in humans. GW8510 is a 3' substituted indolone that was developed recently as an inhibitor of cyclin-dependent kinase 2 (CDK2). We found that GW8510 inhibits the death of cerebellar granule neurons caused by switching them from high potassium (HK) medium to low potassium (LK) medium. Although GW8510 inhibits CDK2 and other CDKs when tested in in vitro biochem. assays, when used on cultured neurons it only inhibits CDK5, a cytoplasmic CDK that is not associated with cell-cycle progression. Treatment of cultured HEK293T cells with GW8510 does not inhibit cell-cycle progression, consistent with its inability to inhibit mitotic CDKs in intact cells. Neuroprotection by GW8510 is independent of Akt and MEK-ERK signaling. Furthermore, GW8510 does not block the LK-induced activation of GSK3 β and, while inhibiting c-jun phosphorylation, does not inhibit the increase in c-jun expression observed in apoptotic neurons. We also examined the effectiveness of other 3' substituted indolone compds. to protect against neuronal apoptosis. We found that like GW8510, the VEGF Receptor 2 Kinase Inhibitors [3-(1H-pyrrol-2-ylmethylene)-1,3-dihydroindol-2-one], (2)-3-2,4-Dimethyl-3-(ethoxycarbonyl)pyrrol-5-ylmethylidenylindol-2-one and [(2)-5-Bromo-3-(4,5,6,7-tetrahydro-1H-indol-2-ylmethylene)-1,3-dihydroindol-2-one], the Src family kinase inhibitor SU6656 and a com. available inactive structural analog of an RNA-dependent protein kinase inhibitor 5-Chloro-3-(3,5-dichloro-4-hydroxybenzylidene)-1,3-dihydro-indol-2-one, are all neuroprotective when tested on LK-treated neurons. Along with our recent identification of the c-Raf inhibitor GW5074 (also a 3' substituted indolone) as a neuroprotective compound, our findings identify the 3' substituted indolone as a core structure for the designing of neuroprotective drugs that may be used to treat neurodegenerative diseases in humans.

IT 288144-20-7 330161-87-0, SU6656

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL

(Biological study); USES (Uses)

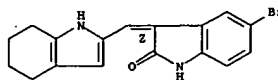
(action of CDKs inhibitor GW8510 and other 3' substituted indolone compds. in protection protect against neuronal apoptosis)

RN 288144-20-7 CAPLUS

CN 2H-Indol-2-one, 5-bromo-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)

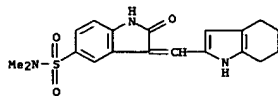
Double bond geometry as shown.

L4 ANSWER 6 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



RN 330161-87-0 CAPLUS

CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

59

THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 2005:311513 CAPLUS

DOCUMENT NUMBER: 142:476084

TITLE: Src family kinase inhibitors block amphiregulin-mediated autocrine ErbB signaling in normal human keratinocytes

AUTHOR(S): Kanara, Sanjiv; Stoll, Stefan W.; Johnson, Jessica L.; Elder, James T.

CORPORATE SOURCE: Department of Dermatology, University of Michigan Medical Center, Ann Arbor, MI, USA

SOURCE: Molecular Pharmacology (2005), 67(4), 1145-1157

CODEN: MOPMA3; ISSN: 0026-895X

PUBLISHER: American Society for Pharmacology and Experimental Therapeutics

DOCUMENT TYPE: Journal

LANGUAGE: English

AB C-Src potentiates proliferation, survival, and invasiveness in response to epidermal growth factor (EGF) in human mammary carcinoma cells. Tyrosine (Tyr) 845 of ErbB1 is phosphorylated by Src and has been implicated in control of malignant behavior. Although several lines of evidence also suggest important interactions of ErbB and Src family kinase signaling in normal epithelial cells, little is known about the mechanism of this interaction. Studying normal human keratinocytes (NHKs), here we demonstrate strong expression of the Src family kinases Src, Yes, and Fyn; Src family kinase-dependent stimulation of Tyr 845 by EGF; and potent inhibition of NHK proliferation and migration by two Src family kinase inhibitors PPI and PD173952. EGF-stimulated extracellular signal-regulated kinase (ERK) phosphorylation occurred at much lower concns. of EGF than required to phosphorylate Tyr 845. Moreover, the effect of Src family kinase inhibitors on EGF-stimulated ERK phosphorylation was transient, prompting a search for other targets of Src family kinase action. By ELISA anal., we found that three different Src family kinase inhibitors [6-(2,6-dichlorophenyl)-8-methyl-2-(4-morpholin-4-ylphenylamino)-8H-pyrro[2,3-d]pyrimidin-7-one (PD173952), 4-amino-5-(4-methylphenyl)-7-(t-butyl)pyrazolo[3,4-d]pyrimidine (PPI), and 2-oxo-3-(4,5,6,7-tetrahydro-1H-indol-2-ylmethylene)-2,3-dihydro-1H-indole-5-sulfonic acid dimethylamide (SU6656)] markedly inhibited elaboration of soluble amphiregulin by NHKs. The ErbB inhibitor PD158780 and the mitogen-activated protein kinase kinase inhibitor U0126 also markedly inhibited NHK proliferation, migration, and amphiregulin production. Together, these observations demonstrate that one or more Src family kinases act upstream as well as downstream of ErbB1 to promote amphiregulin-dependent autocrine stimulation of NHKs and suggest that autocrine NHK proliferation is more dependent upon ERK activation than upon Tyr 845 phosphorylation.

IT 330161-87-0, SU6656

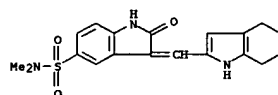
RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(Src family kinase inhibitors block amphiregulin-mediated autocrine ErbB signaling in normal human keratinocytes)

RN 330161-87-0 CAPLUS

CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

L4 ANSWER 7 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



REFERENCE COUNT:

61

THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:265986 CAPLUS

DOCUMENT NUMBER: 142:475250

TITLE: QSAR studies of amino propyl tetrahydro indole based indolin-2-ones as potent inhibitor of Src tyrosine kinase

AUTHOR(S): Kumar, B. Ashok; Ramasree, D.; Parthasarathy, T.; Uma, V.

CORPORATE SOURCE: Computational Chemistry Lab, Department of Chemistry, Nizam College, Osmania University, Hyderabad, 500 001, India

SOURCE: Journal of Teaching and Research in Chemistry (2004), 11(2), 20-24

CODEN: JTRCEN; ISSN: 0971-6408

PUBLISHER: Dr. R. C. Samanta Roy Institute of Science & Technology

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A series of substituted 3-[3-(aminopropyl)-4,5,6,7-tetrahydro-1H-indole-2-ylmethylene]-1, 3-dihydro-2-ones as potent inhibitors of the non-receptor tyrosine kinase Src was quant. analyzed in terms of physicochem. parameters by regression anal. The predictive potential of the model was discussed on the basis of lipophilicity parameter, QlogP and the steric parameter, MR as the descriptor variable. Sulfone moiety was found to be essential for potency towards Src inhibition.

IT 852159-05-8 852159-06-9 852159-07-0

852159-08-1 852159-09-2 852159-10-5

852159-11-6 852159-12-7 852159-13-8

852159-14-9 852159-15-0 852159-16-1

852159-17-2 852159-18-3

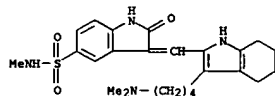
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(QSAR based on lipophilicity parameter, QlogP, steric parameter and MR showed that amino Pr tetrahydro indole based indolinone derivative

sulfone moiety to be essential for potency towards Src inhibition)

RN 852159-05-8 CAPLUS

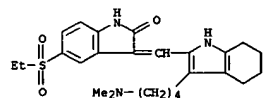
CN 1H-Indole-5-sulfonamide, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-methyl-2-oxo- (9CI) (CA INDEX NAME)



RN 852159-06-9 CAPLUS

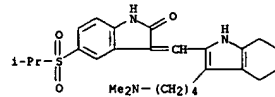
CN 1H-Indole-5-sulfonamide, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



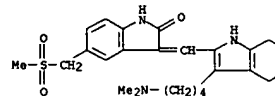
RN 852159-11-6 CAPLUS

CN 2H-Indol-2-one, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro-5-[(1-methylethyl)sulfonyl]- (9CI) (CA INDEX NAME)



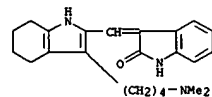
RN 852159-12-7 CAPLUS

CN 2H-Indol-2-one, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro-5-[(methylsulfonyl)methyl]- (9CI) (CA INDEX NAME)



RN 852159-13-8 CAPLUS

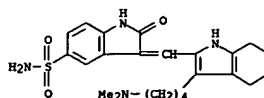
CN 2H-Indol-2-one, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro- (9CI) (CA INDEX NAME)



RN 852159-14-9 CAPLUS

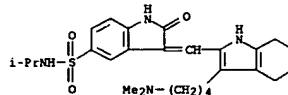
CN 1H-Indole-5-carboxylic acid, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



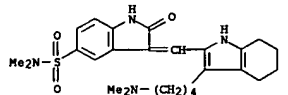
RN 852159-07-0 CAPLUS

CN 1H-Indole-5-sulfonamide, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-(1-methylethyl)-2-oxo- (9CI) (CA INDEX NAME)



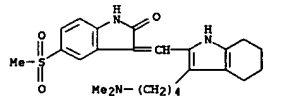
RN 852159-08-1 CAPLUS

CN 1H-Indole-5-sulfonamide, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N,N-dimethyl-2-oxo- (9CI) (CA INDEX NAME)



RN 852159-09-2 CAPLUS

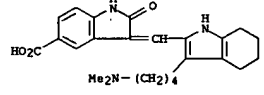
CN 2H-Indol-2-one, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro-5-(methylsulfonyl)- (9CI) (CA INDEX NAME)



RN 852159-10-5 CAPLUS

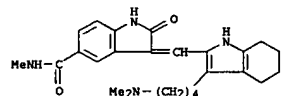
CN 2H-Indol-2-one, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-5-(ethylsulfonyl)-1,3-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 8 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



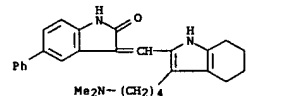
RN 852159-15-0 CAPLUS

CN 1H-Indole-5-carboxamide, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-methyl-2-oxo- (9CI) (CA INDEX NAME)



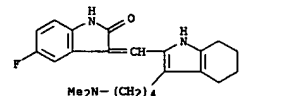
RN 852159-16-1 CAPLUS

CN 2H-Indol-2-one, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro-5-phenyl- (9CI) (CA INDEX NAME)



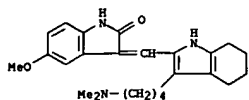
RN 852159-17-2 CAPLUS

CN 2H-Indol-2-one, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-5-fluoro-1,3-dihydro- (9CI) (CA INDEX NAME)



RN 852159-18-3 CAPLUS

CN 2H-Indol-2-one, 3-[[3-[4-(dimethylamino)butyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro-5-methoxy- (9CI) (CA INDEX NAME)

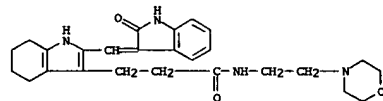


REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

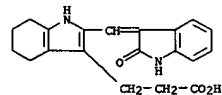
ACCESSION NUMBER: 2005:66903 CAPLUS
DOCUMENT NUMBER: 142:148787
TITLE: Methods for treating diseases and disorders related to unregulated angiogenesis and/or vasculogenesis
INVENTOR(S): Tang, Peng Chai; Sun, Li; Shawver, Laura Kay; Hirth, Klaus Peter; Fong, Annie
PATENT ASSIGNEE(S): Sugen, Inc., USA
SOURCE: U.S., 40 pp., Cont.-in-part of U.S. 6,147,106.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 12
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6846839	B1	20050125	US 1999-333703	19990616
US 5880141	A	19990309	US 1995-485323	19950607
CN 1155838	A	19970730	CN 1996-190616	19960605
US 5792783	A	19980811	US 1996-655223	19960605
US 5883116	A	19990316	US 1996-655224	19960605
US 5883113	A	19990316	US 1996-659191	19960605
US 5886020	A	19990323	US 1996-655226	19960605
EP 934931	A2	19990811	EP 1999-103667	19960605
EP 934931	A3	19991020		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI				
JP 2000026412	A2	20000125	JP 1999-159567	19960605
US 6147106	A	20001114	US 1997-915366	19970820
EP 1247803	A2	20021009	EP 2002-77564	19970820
EP 1247803	A3	20021016		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 2002022626	A1	20020221	US 2000-617529	20000713
US 2003108946	A1	20030612	US 2002-76621	20020219
US 2004067531	A1	20040408	US 2003-458730	20030611
PRIORITY APPLN. INFO.:				
			US 1995-485323	A2 19950607
			US 1996-655223	A2 19960605
			US 1996-655224	A2 19960605
			US 1996-655226	A2 19960605
			US 1996-655255	B2 19960605
			US 1996-659191	A2 19960605
			US 1996-702232	B2 19960823
			US 1997-915366	A2 19970820
			EP 1996-918093	A3 19960605
			JP 1997-501363	A3 19960605
			US 1996-31585P	P 19961205
			US 1996-31586P	P 19961205
			US 1996-31588P	P 19961205
			US 1996-32546P	P 19961205
			US 1996-32547P	P 19961205
			US 1996-45715P	P 19961205
			US 1997-31565P	P 19970505
			US 1997-45566P	P 19970505
			US 1997-45566P	P 19970505
			US 1997-45714P	P 19970505
			US 1997-45715P	P 19970505
			US 1997-46843P	P 19970505
			EP 1997-939480	A3 19970820
			US 1998-129256	B1 19980804

OTHER SOURCE(S): MARPAT 142:148787
US 2000-617529 B1 20000713
AB The present invention relates to methods for treating diseases and disorders related to unregulated angiogenesis and/or vasculogenesis. More specifically, this invention relates to methods for treating diseases and disorders, such as rheumatoid arthritis, endometriosis, ocular neovascularization, solid tumor growth and metastases, and excessive scarring during wound healing, with indolinone compounds. The indolinones inhibit growth factor-stimulated cell proliferation.
IT 245036-28-6P 245036-29-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(methods for treating diseases and disorders related to unregulated angiogenesis and/or vasculogenesis using indolinones that inhibit growth factor-stimulated cell proliferation)
RN 245036-28-6 CAPLUS
CN 1H-Indole-3-propanamide, 2-[(1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-N-[2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 245036-29-7 CAPLUS
CN 1H-Indole-3-propanamide, 2-[(1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



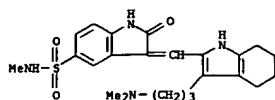
REFERENCE COUNT: 231 THERE ARE 231 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2005:2190 CAPLUS
DOCUMENT NUMBER: 142:93676
TITLE: A preparation of sulfonamide substituted indolinones, useful as inhibitors of DNA dependent protein kinase (DNA-PK)
INVENTOR(S): Howlett, Anthony R.; Rice, Audie; Moshinsky, Deborah
PATENT ASSIGNEE(S): Sugen, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 46 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004266843	A1	20041230	US 2004-793943	20040308
PRIORITY APPLN. INFO.:				
			US 2003-452549P	P 20030307
OTHER SOURCE(S): MARPAT 142:93676				
GI				

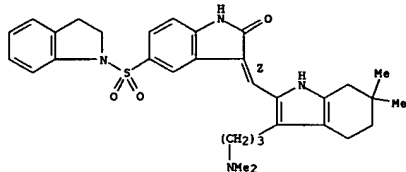
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to a preparation of sulfonamide substituted indolinones
of formula I [wherein: R1 and R2 are independently selected from H, (un)substituted Ph, thiazolyl, or alkyl, etc.; R3, R4, and R5 are independently selected from H or alkyl], useful as inhibitors of DNA dependent protein kinase (DNA-PK). The invention relates to the field of radiosensitizing agents which are capable of enhancing radiotherapy by inhibiting DNA-PK (DNA-protein kinase). For instance, sulfonamide substituted indolinone II was prepared via condensation of pyrrole derivative III and indole derivative IV. The prepared indolinone derivative V was found to inhibit DNA-PK (IC50 = 1.6 µM).
IT 666235-61-6P 775321-71-6P 775321-76-1P
775321-67-4P 775321-68-5P 775321-69-6P
775321-90-9P 775322-02-6P 775322-03-7P
775322-04-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of sulfonamide substituted indolinones useful as inhibitors of DNA dependent protein kinase (DNA-PK))
RN 666235-61-6 CAPLUS
CN 1H-Indole-5-sulfonamide, 3-[[[3-(dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-methyl-2-oxo- (9CI) (CA INDEX NAME)



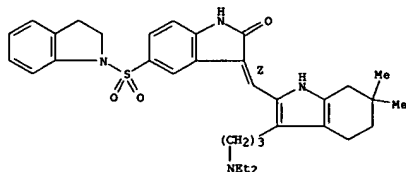
RN 775321-71-6 CAPLUS
CN 1H-Indole, 1-[(32)-3-[[3-(3-(dimethylamino)propyl)-4,5,6,7-tetrahydro-6,6-dimethyl-1H-indol-2-yl]methyl]-2,3-dihydro-2-oxo-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



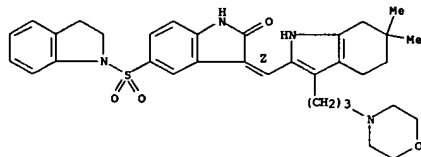
RN 775321-76-1 CAPLUS
CN 1H-Indole, 1-[[{(3Z)-3-[[3-[3-(diethylamino)propyl]-4,5,6,7-tetrahydro-6,6-dimethyl-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-1H-indol-5-yl]sulfonyl]-2,3-dihydro-9CI) (CA INDEX NAME)

Double bond geometry as shown.



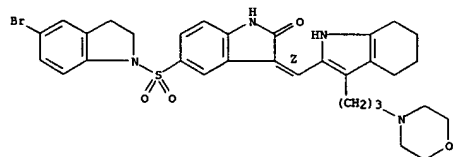
RN 775321-07-4 CAPLUS
CN 1H-Indole, 1-[[[(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro-9CI] (CA INDEX NAME)

Double bond geometry as shown.



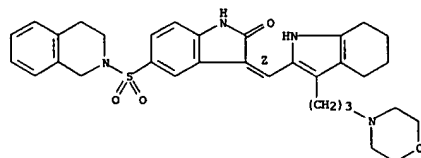
RN 775322-02-6 CAPLUS
CN 1H-Indole, 5-bromo-1-[[{(3Z)-2,3-dihydro-2-oxo-3-[[{4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro-9CI] (CA INDEX NAME)

Double bond geometry as shown.



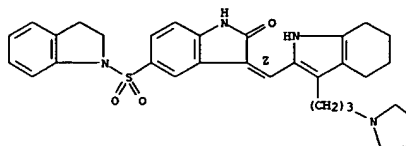
RN 775322-03-7 CAPLUS
CN Isoquinoline, 2-[[[(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-1,2,3,4-tetrahydro-9C1] (CA INDEX NAME)

Double bond geometry as shown.



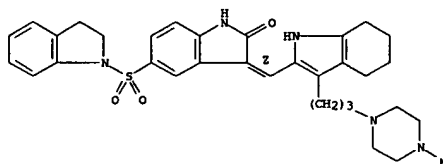
RN 775322-04-8 CAPLUS
CN Quinoline, 1-[[{3Z}-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



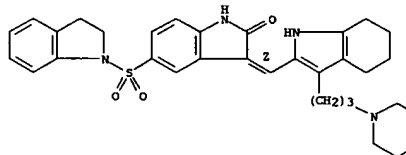
RN 775321-88-5 CAPIUS
CN 1H-Indole, 1-[[{(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(4-methyl-1-piperazinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



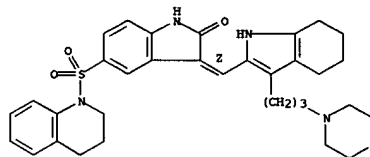
RN 775321-89-6 CAPLUS
CN 1H-Indole, 1-[[{(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro-9CI) (CA INDEX NAME)

Double bond geometry as shown.



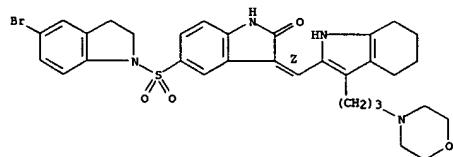
RN 775321-90-9 CAPLUS
 CN 1H-Indole, 1-[[[(3Z)-2,3-dihydro-2-oxo-3-[[[4,5,6,7-tetrahydro-6,6-dimethyl-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonfyl]-2,3-dihydro-9CI) (CA INDEX NAME)

Double bond geometry as shown.



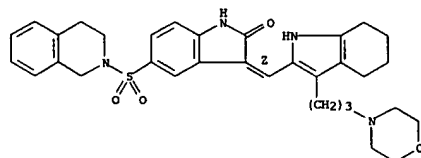
RN 775322-02-6 CAPLUS
CN 1H-Indole, 5-bromo-1-[[{(3Z)-2,3-dihydro-2-oxo-3-[[{4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro-9CI] (CA INDEX NAME)

Double bond geometry as shown.



RN 775322-03-7 CAPLUS
CN Isoquinoline, 2-[[[(3Z)-2,3-dihydro-2-oxo-3-[[[4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-1,2,3,4-tetrahydro-9C1] (CA INDEX NAME)

Double bond geometry as shown.



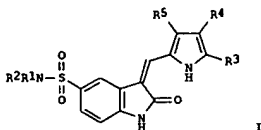
RN 775322-04-8 CAPLUS
CN Quinoline, 1-[[{3Z}-2,3-dihydro-2-oxo-3-{{4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl)methylene]-1H-indol-5-yl)sulfonyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

L4 ANSWER 11 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2004:857170 CAPLUS
 DOCUMENT NUMBER: 141:350032
 TITLE: Preparation of 5-sulfonamido-substituted indolinone compounds as protein kinase inhibitors
 INVENTOR(S): Tang, Peng; Choi, Liang, Congxin; Miller, Todd; Lipson, Kenneth E.
 PATENT ASSIGNEE(S): Sugen Inc., USA
 SOURCE: U.S. Pat. Appl. Publ., 58 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

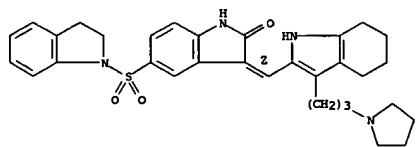
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004204407	A1	20041014	US 2004-793952	20040308
PRIORITY APPLN. INFO:			US 2003-452552P	20030307
OTHER SOURCE(S):		MARPAT 141:350032		

GI



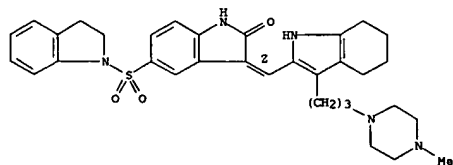
AB The title compds. [I; R1 and R2 combine to form (un)substituted optionally fused heterocyclic ring; R3-R5 = H, alkyl, hydroxyalkyl, etc., or R3 and R4 may combine to form a cyclic 6-membered alicyclic ring which may be substituted with one or more lower alkyl] that modulate the activity of protein kinases ("PKs") and are therefore useful in treating disorders related to abnormal PK activity (no biol. data). were prepared General method of synthesis of the compds. I by condensation of oxindole and aldehydes (preparation of intermediates is given) is described. Eighty-two compds. I (e.g., II) were prepared Pharmaceutical compns. comprising the compds. I, methods of treating diseases utilizing pharmaceutical compns. comprising these compds. and methods of preparing them are also disclosed.

L4 ANSWER 11 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



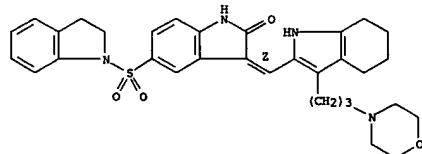
RN 775321-88-5 CAPLUS
 CN 1H-Indole, 1-[[[(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(4-methyl-1-piperazinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 775321-89-6 CAPLUS
 CN 1H-Indole, 1-[[[(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

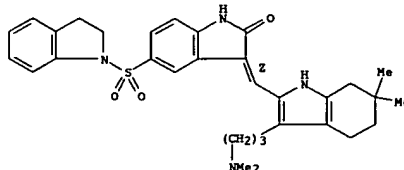


RN 775321-90-9 CAPLUS
 CN 1H-Indole, 1-[[[(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-6,6-dimethyl-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

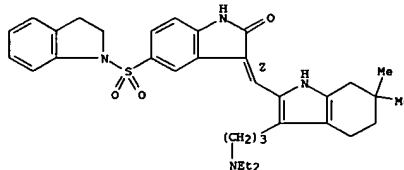
L4 ANSWER 11 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 IT 775321-71-6P 775321-76-1P 775321-87-4P
 775321-88-5P 775321-89-6P 775321-90-9P
 775322-02-6P 775322-03-7P 775322-04-8P
 RI: PAC (Pharmacological activity); SPN (Synthetic preparation); TRU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 5-sulfonamido-substituted indolinone compds. as protein kinase inhibitors)
 RN 775321-71-6 CAPLUS
 CN 1H-Indole, 1-[[[(3Z)-3-[[3-[(diethylamino)propyl]-4,5,6,7-tetrahydro-6,6-dimethyl-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



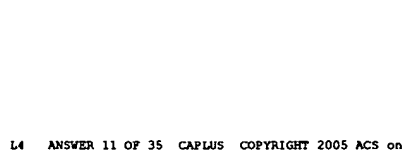
RN 775321-76-1 CAPLUS
 CN 1H-Indole, 1-[[[(3Z)-3-[[3-[(diethylamino)propyl]-4,5,6,7-tetrahydro-6,6-dimethyl-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

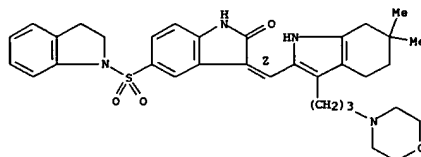


RN 775321-87-4 CAPLUS
 CN 1H-Indole, 1-[[[(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

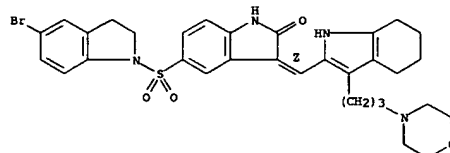


L4 ANSWER 11 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



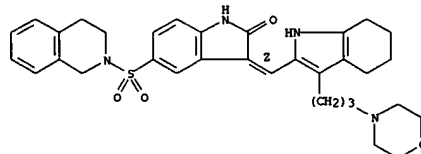
RN 775322-02-6 CAPLUS
 CN 1H-Indole, 5-bromo-1-[[[(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



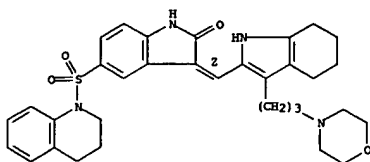
RN 775322-03-7 CAPLUS
 CN Isoquinoline, 2-[[[(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

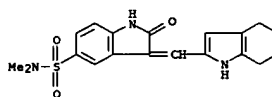


RN 775322-04-8 CAPLUS
 CN Quinoline, 1-[[[(3Z)-2,3-dihydro-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L4 ANSWER 12 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2004:419904 CAPLUS
 DOCUMENT NUMBER: 142:70669
 TITLE: Characterization of a Conserved Structural Determinant Controlling Protein Kinase Sensitivity to Selective Inhibitors
 AUTHOR(S): Blanche, Stephanie; Zech, Birgit; Engkvist, Ola; Greff, Zoltan; Orfi, Laszlo; Horvath, Zoltan; Keri, Gyorgy; Ullrich, Axel; Daub, Henrik
 CORPORATE SOURCE: Amixa Pharmaceuticals AG, Munchen, 81377, Germany
 SOURCE: Chemistry & Biology (2004), 11(5), 691-701
 CODEN: CBOLE2; ISSN: 1074-5521
 PUBLISHER: Cell Press
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Some protein kinases are known to acquire resistance to selective small mol. inhibitors upon mutation of a conserved threonine at the ATP binding site to a larger residue. Here, we performed a comprehensive mutational anal. of this structural element and determined the cellular sensitivities of several disease-relevant tyrosine kinases against various inhibitors. Mutant kinases possessing a larger side chain at the critical site showed resistance to most compds. tested, such as ZD1839, PFI, AG1296, ST1571, and a pyrido[2,3-d]pyrimidine inhibitor. In contrast, indolinones affected both wild-type and mutant kinases with similar potencies. Resistant mutants were established for pharmacol. anal. of β PDGF receptor-mediated signaling and allowed the generation of a drug-inducible system of cellular Src kinase activity. Our data establish a conserved structural determinant of protein kinase sensitivity relevant for both signal transduction research and drug development.
 IT 330161-87-0, SU6656
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (characterization of a conserved structural determinant controlling protein kinase inhibitor sensitivity)
 RN 330161-87-0 CAPLUS
 CN 1H-indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

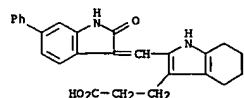
L4 ANSWER 13 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2004:182368 CAPLUS
 DOCUMENT NUMBER: 140:229401
 TITLE: Three hybrid assay system for isolating ligand-binding polypeptides and for isolating small mol. ligands
 INVENTOR(S): Come, Jon H.; Becker, Frank; Kley, Nikolai A.; Reichel, Christoph
 PATENT ASSIGNEE(S): USA
 SOURCE: U.S. Pat. Appl. Publ., 238 pp., Cont.-in-part of U.S. Ser. No. 91,177.
 CODEN: USOXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 6
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004043388	A1	20040304	US 2002-234985	20020903
US 2003165873	A1	20030904	US 2002-91177	20020304
US 2004266854	A1	20041230	US 2004-820453	20040407
PRIORITY APPLN. INFO.:			US 2001-272932P	P 20010302
			US 2001-278233P	P 20010323
			US 2001-329437P	P 20011015
			US 2002-91177	A2 20020304
			US 2001-336962P	P 20011203
			WO 2002-US6677	A2 20020304
			US 2002-234985	A2 20020903
			WO 2002-US33052	A2 20021015
			US 2003-460921P	P 20030407
			US 2003-531872P	P 20031223

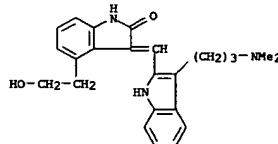
AB The invention provides compns. and methods for isolating ligand-binding polypeptides for a user-specified ligand, and for isolating small mol. ligands for a user-specified target polypeptide using an improved class of hybrid ligand compds. Preparation of compds., e.g. a methotrexate moiety linked

by a polyethylene glycol moiety to dexamethasone, is described.
 IT 245036-16-2D, conjugates 258830-51-2D, conjugates
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (three hybrid assay system for isolating ligand-binding polypeptides and for isolating small mol. ligands)

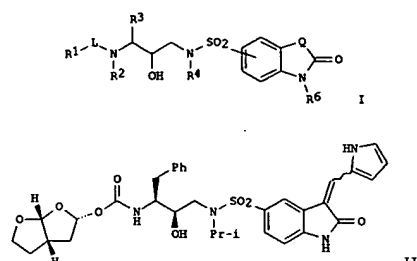
RN 245036-16-2 CAPLUS
 CN 1H-indole-3-propanoic acid, 2-[(1,2-dihydro-2-oxo-6-phenyl-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



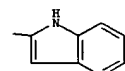
RN 258830-51-2 CAPLUS
 CN 2H-Indol-2-one, 3-[[3-[(dimethylamino)propyl]-1H-indol-2-yl)methylene]-1,3-dihydro-4-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



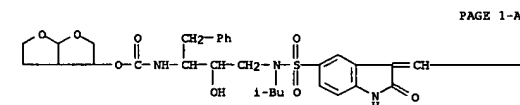
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004016619	A1	20040226	WO 2003-EP50379	20030814
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GM, GR, HU, IL, IN, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MY, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TN, TN, TR, TT, TZ, UA, UG, UZ, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SO, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, BG, KZ, MD, MG, MN, TH, AT, BE, BG, BR, BY, BZ, CA, CH, CN, FI, FR, GB, GR, HU, IL, IN, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MY, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TN, TN, TR, TT, TZ, UA, UG, UZ, UZ, VN, YU, ZA, ZM, ZW				
CA 2493940	AA	20040226	CA 2003-2493940	20030814
BR 2003005771	AA	20041105	BR 2003-5771	20030814
EP 1546153	A1	20050629	EP 2003-787818	20030814
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, KE, HU, SK				
PRIORITY APPLN. INFO.:			WO 2002-78384	A 20020814
			WO 2003-EP50379	W 20030814
OTHER SOURCE(S):		MARPAT 140:210820		
GI				



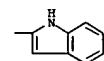
PAGE 1-B



RN 664344-28-9 CAPLUS
 CN Carbamic acid, {3-[[[2,3-dihydro-3-(1H-indol-2-ylmethylene)-2-oxo-1H-indol-5-yl]sulfonyl(2-methylpropyl)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, hexahydrofuro[2,3-b]furan-3-yl ester (9CI) (CA INDEX NAME)



PAGE 1-E

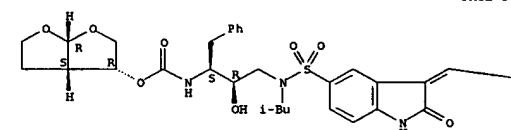


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

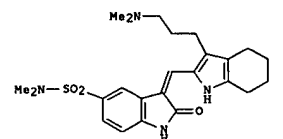
AS The present invention concerns the compds. having the formula (II)
N-oxides, salts, stereoisomeric forms, racemic mixts., prodrgs, esters,
and metabolites thereof [wherein R1, R8 = H, C1-6 alkyl, C2-6 alkenyl,
C3-7 cycloalkyl, aryl, Het1, Het1-C1-6 alkyl, etc., or R1 =
(un)substituted H2N-CH2CH2- t is 0, 1 or 2; R2 = H, C1-6 alkyl; L = CO,
O-CO, NR8CO, O-C1-6 alkanedienyl-CO, NR8-C1-6alkanedienyl-CO, SO2, O-SO2,
NR8-SO2; R3 = (un)substituted C1-6 alkyl, aryl, C3-7 cycloalkyl, C3-7
cycloalkyl-C1-4 alkyl, aryl-C1-4alkyl; R4 = H, C1-4 alkyl-O-CO, carbonyl,
CONH2, mono- or di(C1-4alkyl)carbamoyl, C3-7 cycloalkyl, C2-6 alkenyl,
C2-6 alkyl; R6 = H, (un)substituted C1-6 alkyl; Het1 is a 5 to 10 ring
membered mono- or bicyclic heterocycle containing 21 heteroatoms
selected from N, O, and S]. It further relates to their use as broad
spectrum HIV protease inhibitors, pharmaceutical compns., and a method for
treating or combating infection or disease associated with multi-drug
resistant retrovirus infection in a mammal. It also may concern
combinations thereof with another anti-retroviral agent, and to their use
in assays as reference compds. or as reagents. These compds. I exhibited
potent anti-HIV activity against a wild type laboratory HIV strain (HIV-1
strain
I-LAI, e.g. sec50 of 8.5 for the compound (II), and also were effective in
inhibiting a broad range of mutant strains which show various degrees of
phenotypic escape from the currently com. available drugs such as
for instance saquinavir, zidovudine, zalcitabine, didanosine, zalcitabine,
ritonavir, nelfinavir, indinavir and amprenavir.
IT 664344-05 664344-28-9
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(substituted oxindolesulfonamide derivs. for use as broad spectrum HIV
protease inhibitors)
RN 664344-08-5 CAPUIS
CN Carbamic acid, [(1S,2R)-3-[[[2,3-dihydro-3-(1H-indol-2-ylmethylene)-2-oxo-1H-
indol-3-yl]amino]]-2-methylpropan-1-yl]amino]-2-hydroxy-1-
propanylmethoxy carbonyl, (2R,3aS,6aR)-hexahydrofuro[2,3-b]furan-3-yl ester
[SGL, ICA, INDEX NAME]

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



ADDRESS: 35 Carlisle Road, 01005 ACS on Stn
 ACCESSION NUMBER: 2003:991475 CAPLUS
 140:217468
 TITLE: Design and synthesis of aminopropyl
 tetrahydroindole-based indolin-2-ones as selective and
 potent inhibitors of Src and Yes tyrosine kinase
 AUTHOR(S): Guan, Huiping; Laird, A. Douglas; Blake, Robert A.;
 Tang, Chor Liang, Chris
 CORPORATE SOURCE: Department of Chemistry, SUGEN, Inc., South San
 Francisco, CA, 94080, USA
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 14(1), 187-190
 CODEN: BMCLEB; ISSN: 0960-894X
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 LANGUAGE: English



AB A novel series of substituted 3-[3-(aminopropyl)-4,5,6,7-tetrahydro-1H-indol-2-ylmethylene]-1,3-dihydro-indole-2-ones, e.g., **1**, was discovered as potent inhibitors of the non-receptor tyrosine kinase Src and Yes. A structure-activity relationship was developed in order to optimize their potency and selectivity. Syntheses of these compds. are also described.

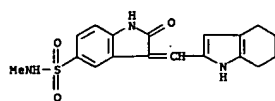
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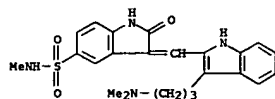
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(preparation, Src and Yes tyrosine kinase inhibitory activity, and
structure-activity relationship of aminopropyl tetrahydroindole-based
indolinones)

RN 203991-89-3 CAPLUS
CN 1H-indol-5-ylmethanide, 2,3-dihydro-N-methyl-2-oxo-3-[(4,5,6,7-tetrahydro-
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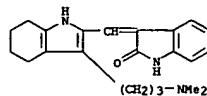
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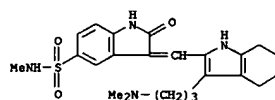
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CN 1H-indole-5-sulfonamide, 3-[[3-[(dimethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-N-methyl-2-oxo- (9CI) (CA INDEX NAME)



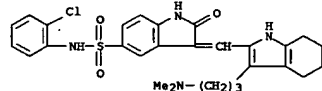
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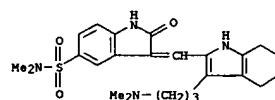
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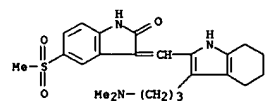
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CN 1H-indole-5-sulfonamide, 3-[[3-[(dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)



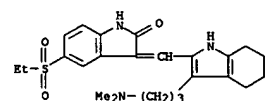
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CN 1H-indole-5-sulfonamide, 3-[[3-[(dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N,N-dimethyl-2-oxo- (9CI) (CA INDEX NAME)



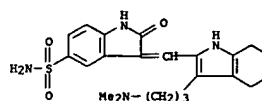
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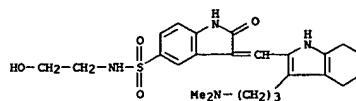
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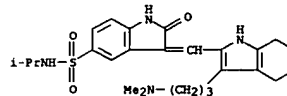
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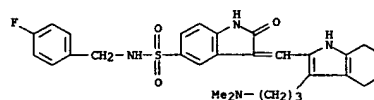
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CN 1H-indole-5-sulfonamide, 3-[[3-[(dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-(2-hydroxyethyl)-2-oxo- (9CI) (CA INDEX NAME)



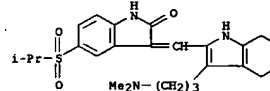
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CN 1H-indole-5-sulfonamide, 3-[[3-[(dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-(1-methylethyl)-2-oxo- (9CI) (CA INDEX NAME)



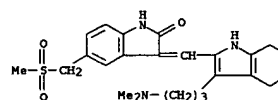
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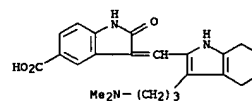
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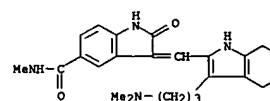
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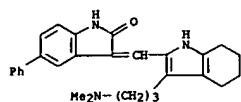
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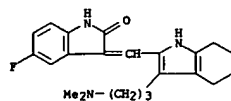
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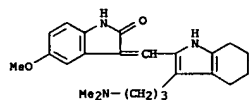
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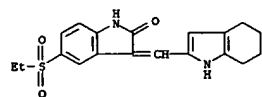
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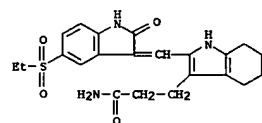
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CN 2H-Indol-2-one, 3-[[3-[(dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro-5-methoxy- (9CI) (CA INDEX NAME)



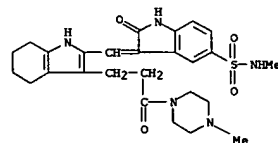
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CN 2H-Indol-2-one, 5-(ethylsulfonyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-3H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



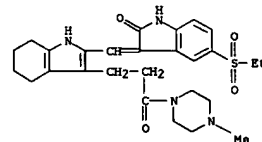
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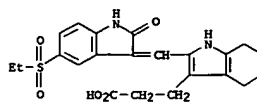
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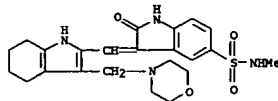
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CN Piperazine, 1-[3-[2-[[5-(ethylsulfonyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]-1-oxopropyl]-4-methyl- (9CI) (CA INDEX NAME)



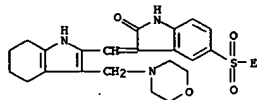
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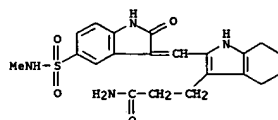
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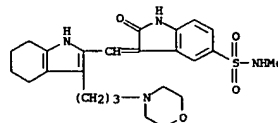
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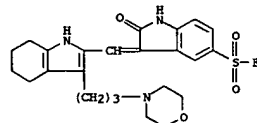
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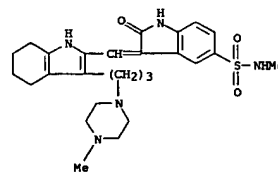
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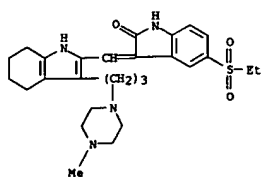
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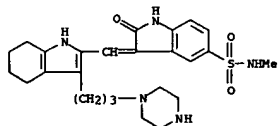
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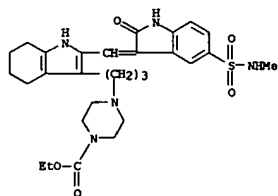
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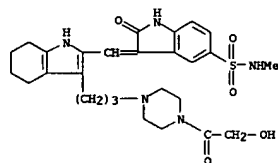
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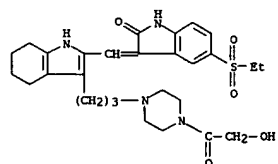
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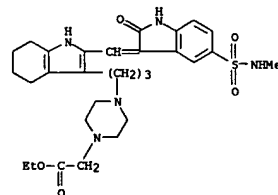
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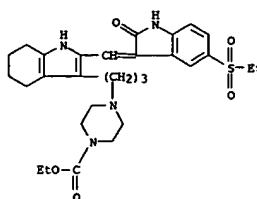
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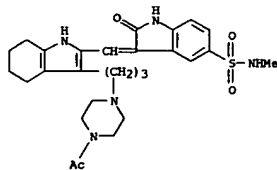
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CN 1-Piperazinecarboxylic acid, 4-[3-[2-[[1,2-dihydro-5-[(methylamino)sulfonyl]-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]-, ethyl ester (9CI) (CA INDEX NAME)



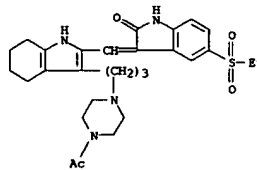
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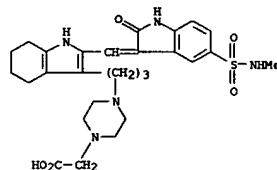
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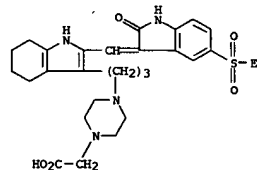
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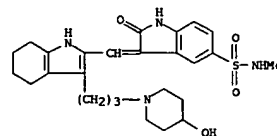
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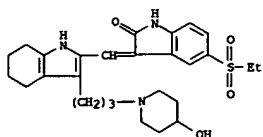
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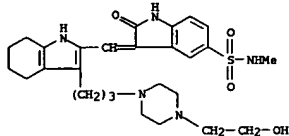
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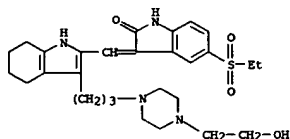
RN 666236-01-7 CAPLUS
CN 2H-indol-2-one, 5-(ethylsulfonyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-3-[(4-hydroxy-1-piperidinyl)propyl]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



RN 666236-02-8 CAPLUS
CN 1H-indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[(4,5,6,7-tetrahydro-3-[3-[(4-(2-hydroxyethyl)-1-piperazinyl)propyl]-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 666236-03-9 CAPLUS
CN 2H-indol-2-one, 5-(ethylsulfonyl)-1,3-dihydro-3-[(4,5,6,7-tetrahydro-3-[3-[(4-(2-hydroxyethyl)-1-piperazinyl)propyl]-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

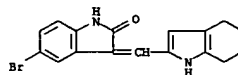
L4 ANSWER 16 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:930718 CAPLUS
DOCUMENT NUMBER: 139:391339
TITLE: Method of determining an efficacious dose of a drug
INVENTOR(S): Fong, Annie; Hirth, Klaus Peter
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 15 pp.
CODEN: USXIXO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003219380	A1	20031127	US 1998-186475	19981104
PRIORITY APPLN. INFO.:			US 1997-64935P	P 19971107

OTHER SOURCE(S): MARPAT 139:391339
AB The present invention relates to a method of determining an efficacious dose of a drug administered to a subject for the purpose of modulating angiogenesis, including conditions manifested by cell proliferation, cell differentiation, or cell survival. The method comprises the step of monitoring a marker related to angiogenesis. The drug used in the present invention is an indolinone compound (Markush structure and individual structures are given). The invention also features a kit for determining the efficacious dose of the drug.

IT 204003-89-4
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(method of determining an efficacious dose of a drug)

RN 204003-89-4 CAPLUS
CN 2H-indol-2-one, 5-bromo-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



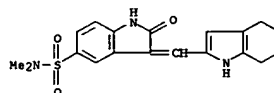
L4 ANSWER 17 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2003:633389 CAPLUS
DOCUMENT NUMBER: 139:159929
TITLE: Non-myeloablative tolerogenic treatment with tyrophostins
INVENTOR(S): Slavin, Shimon; Morecki, Shoshana; Levitzki, Alexander; Gazit, Aviv
PATENT ASSIGNEE(S): Yissum Research Development Company of the Hebrew University of Jerusalem, Israel; Hadasit Medical Research Services and Development Ltd.
SOURCE: PCT Int. Appl., 88 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003065971	A2	20030814	WO 2002-11467	20020616
WO 2003065971	C2	20031120		
WO 2003065971	A3	20040916		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MV, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2450807	AA	20030814	CA 2002-2450807	20020616
EP 1482983	A2	20041208	EP 2002-738590	20020616
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 200516583	T2	20050609	JP 2003-565397	20020616
US 2004197335	A1	20041007	US 2003-479523	20031211
PRIORITY APPLN. INFO.:			US 2001-297795P	P 20010614
			WO 2002-11467	W 20020616

AB A method of inducing immune tolerance in a first mammal to antigens of a second, non-syngeneic, mammal, is disclosed. The method is utilized to minimize graft rejection and/or reduce graft-vs.-host diseases in transplantation procedures and to produce hematopoietic mixed chimeras. Methods of determining the activity of tyrophostins and the optimal concentration thereof in this method are also disclosed.

IT 330161-87-0
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(non-myeloablative tolerogenic treatment with tyrophostins to eliminate lymphocyte responding to non-syngeneic donor antigens)

RN 330161-87-0 CAPLUS
CN 1H-indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



ACCESSION NUMBER: 2003:221660 CAPLUS

DOCUMENT NUMBER: 138:238009

TITLE:

Preparation of 3-(4,5,6,7-tetrahydroindol-2-yl)methylidene)-2-indolinones as kinase inhibitors for treatment of cancer

Liang, Congxin; Guan, Huiping; Tang, Peng; Choi, Blake, Robert A.

INVENTOR(S):

PATENT ASSIGNEE(S):

SOURCE:

PCT Int. Appl., 65 pp.

DOCUMENT TYPE:

Patent

LANGUAGE:

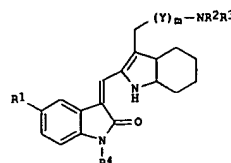
English

FAMILY ACC. NUM. COUNT:

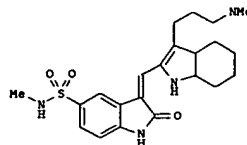
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PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003022815	A1	20030330	WO 2002-US25974	20020910
W:	AR, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2459879	AA	20030330	CA 2002-2459879	20020910
US 2003119819	A1	20030626	US 2002-238051	20020910
US 677417	B2	20040817		
EP 1436259	A1	20040714	EP 2002-780264	20020910
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
BR 2002012435	A	20040817	BR 2002-12435	20020910
JP 2005506982	T2	20050310	JP 2003-526891	20020910
US 2004266855	A1	20041230	US 2004-889050	20040713
PRIORITY APPL. INFO.:			US 2001-318508P	P 20010910
			US 2002-238051	A3 20020910
			WO 2002-US25974	W 20020910
OTHER SOURCE(S):	MARPAT 138:238009			
GI				



I



II

AB Title compds. I [wherein Y = CH₂, CH₂CH₂, CO, or COCH₂; m = 0-1; R₁ = SO₂NH₂ or SO₂NH₂R₂; R₂ = H or (hydroxy)alkyl; R₃ = (hydroxy)alkyl; or NR₂R₃ = heterocyclyl; R₄ = H, PO(OR)₂, COR₂, CHR₂NR₁R₂; n = 0-2; R₅ = (ar)alkyl; R₆ and R₇ = independently H, (cyclo)alkyl, alkoxyalkyl, or hydroxyalkyl; R₈ = independently H or alkyl; R₉ = alkyl; R₁₀ = H or alkyl; R₁₁ and R₁₂ = independently H or alkyl; or NR₁R₂ = heterocyclyl and pharmaceutically acceptable salts thereof] were prepared. For example, cyclocondensation of 5-aminolevulinic acid-HCl with 1,2-cyclohexanedione gave 3-(4-oxo-4,5,6,7-tetrahydro-1H-indol-3-yl)propionic acid (67%). Amidation with NMe₂ (60%), reduction to the amine (90%), and reaction with POCl₃ and DMF afforded 3-(3-dimethylaminopropyl)-4,5,6,7-tetrahydro-1H-indole-2-carbaldehyde (50%). Condensation of the aldehyde with 5-methylaminosulfonylindole in the presence of piperidine in EtOH provided (2)-II (70%). I inhibit Src kinase activity and are useful for the treatment of Src kinase related disorders, such as cancer (no data).

IT 502156-90-3P, (2)-3-[1-[3-(3-Dimethylaminopropyl)-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502156-91-4P, (2)-3-[1-[3-(3-(4-Methylpiperazin-1-yl)propyl)-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502156-92-5P, (2)-3-[1-[3-(3-(3,5-Dimethylpiperazin-1-yl)-3-oxopropyl)-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502156-94-7P, (2)-3-[1-[3-(3-(4-Methylpiperazin-1-yl)-3-oxopropyl)-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502156-96-9P, (2)-3-[1-[3-(3-(3,5-Dimethylpiperazin-1-yl)-3-oxopropyl)-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-5-ethanesulfonyl-1,3-dihydroindol-2-one 502156-98-1P, (2)-5-Ethanesulfonyl-3-[1-[3-(3-(4-Methylpiperazin-1-yl)-3-oxopropyl)-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-1,3-dihydroindol-2-one 502157-00-8P, (2)-4-[3-[2-[(5-Methylsulfamoyl)-2-oxo-1,2-

dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]piperazine-1-carboxylic acid ethyl ester 502157-06-4P, (2)-4-[3-[2-[(5-Ethanesulfonyl)-2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]piperazine-1-carboxylic acid ethyl ester 502157-07-5P, (2)-3-[1-[3-[3-(4-Acetyl-piperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502157-08-6P, (2)-3-[1-[3-[3-(4-Acetyl-piperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-5-ethanesulfonyl-1,3-dihydroindol-2-one 502157-10-0P, (2)-3-[1-[3-[3-(4-Formylpiperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502157-11-1P, (2)-3-[1-[3-[3-(4-(2-Hydroxyacetyl)piperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502157-13-3P, (2)-5-Ethanesulfonyl-3-[1-[3-[3-(4-(2-Hydroxyacetyl)piperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-1,3-dihydroindol-2-one 502157-14-4P, (2)-2-Oxo-3-[1-[3-[3-(piperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502157-15-5P, (2)-4-[3-[2-[(5-Ethanesulfonyl)-2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]piperazine-1-carboxaldehyde 502157-16-6P, (2)-4-[3-[2-[(5-Methylsulfamoyl)-2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]piperazine-1-carboxaldehyde 502157-18-8P, (2)-4-[3-[2-[(5-Methylsulfamoyl)-2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]piperazine-1-yl]acetic acid 502157-19-9P, (2)-4-[3-[2-[(5-Ethanesulfonyl)-2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]piperazine-1-yl]acetic acid 502157-21-5P, (2)-4-[3-[2-[(5-Ethanesulfonyl)-2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]piperazine-1-yl]acetic acid 502157-22-4P, (2)-5-Ethanesulfonyl-3-[1-[3-[3-(4-Hydroxypiperidin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-1,3-dihydroindol-2-one 502157-24-6P, (2)-3-[1-[3-[3-(4-(2-Hydroxyethyl)piperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502157-26-8P, (2)-5-Ethanesulfonyl-3-[1-[3-[3-(4-(2-Hydroxyethyl)piperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-1,3-dihydroindol-2-one 502157-28-0P, (2)-3-[1-[3-[3-(3,5-Dimethylpiperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502157-29-1P, (2)-3-[1-[3-[3-(3,5-Dimethylpiperazin-1-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-5-ethanesulfonyl-1,3-dihydroindol-2-one 502157-31-5P, (2)-3-[1-[3-[3-(Morpholin-4-yl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid (2-hydroxyethyl)amide 502157-32-6P, (2)-3-[1-[3-[3-(Dimethylaminopropyl)-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid (2-hydroxyethyl)amide 502157-33-7P, (2)-3-[1-[3-[3-[(2-Hydroxyethyl)methylamino]propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-2-oxo-2,3-dihydro-1H-indole-5-sulfonic acid methylamide 502157-34-9P, (2)-5-Ethanesulfonyl-3-[1-[3-[3-(2-Hydroxyethyl)methylamino]propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylidene]-1,3-dihydroindol-2-one

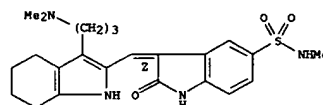
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOI (Biological study); PREP (Preparation); USES (Uses)

(Src kinase inhibitor; prepn. of (indolylmethylidene)indolinone Src kinase inhibitors by condensation of indolecarboxaldehydes with indolinones for treatment of cancer)

RN 502156-90-3 CAPLUS

CN 1H-indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[(4,5,6,7-tetrahydro-3-[3-(4-methyl-1-piperazinyl)propyl]-1H-indol-2-yl)methylene]-, (3Z)-(3CI) (CA INDEX NAME)

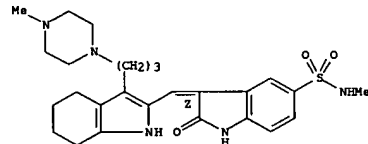
Double bond geometry as shown.



RN 502156-91-4 CAPLUS

CN 1H-indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[(4,5,6,7-tetrahydro-3-[3-(4-methyl-1-piperazinyl)propyl]-1H-indol-2-yl)methylene]-, (3Z)-(3CI) (CA INDEX NAME)

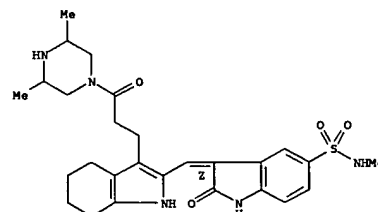
Double bond geometry as shown.



RN 502156-92-5 CAPLUS

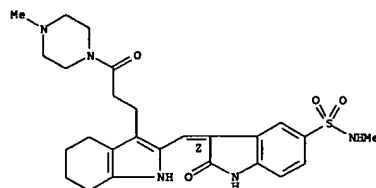
CN Piperazine, 1-[3-(2-[(2)-[1,2-dihydro-5-[(methylamino)sulfonyl]-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]-1-oxopropyl]-3,5-dimethyl- (3CI) (CA INDEX NAME)

Double bond geometry as shown.



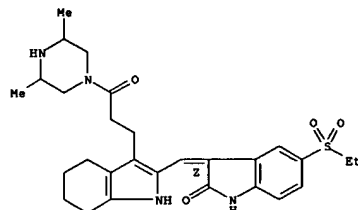
L4 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 RN 502156-94-7 CAPLUS
 CN Piperazine, 1-[3-[2-[(Z)-[1,2-dihydro-5-[(methylamino)sulfonyl]-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]-1-oxopropyl]-4-methyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 502156-96-9 CAPLUS
 CN Piperazine, 1-[3-[2-[(Z)-[5-(ethylsulfonyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]-1-oxopropyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

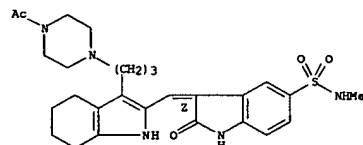


RN 502156-98-1 CAPLUS
 CN Piperazine, 1-[3-[2-[(Z)-[5-(ethylsulfonyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]-1-oxopropyl]-4-methyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

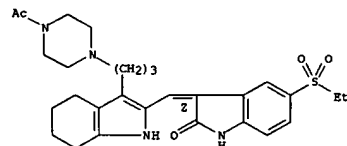
L4 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 CN 1H-indole-5-sulfonamide, 3-[[3-[3-(4-formyl-1-piperazinyl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-methyl-2-oxo-, (32)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



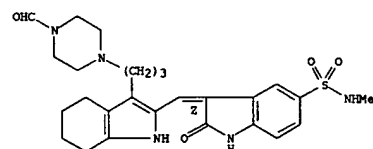
RN 502157-08-6 CAPLUS
 CN Piperazine, 1-acetyl-4-[3-[2-[(Z)-[5-(ethylsulfonyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]-4-(hydroxyacetyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



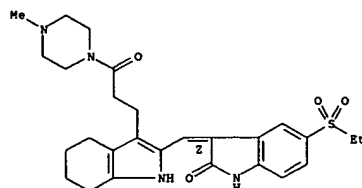
RN 502157-10-0 CAPLUS
 CN 1H-indole-5-sulfonamide, 3-[[3-[3-(4-formyl-1-piperazinyl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-methyl-2-oxo-, (32)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



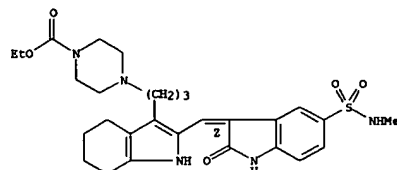
RN 502157-11-1 CAPLUS
 CN Piperazine, 1-[3-[2-[(Z)-[1,2-dihydro-5-[(methylamino)sulfonyl]-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]-4-(hydroxyacetyl)- (9CI) (CA INDEX NAME)

L4 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



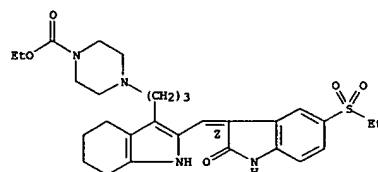
RN 502157-00-8 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[3-[2-[(Z)-[1,2-dihydro-5-[(methylamino)sulfonyl]-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]-, ethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



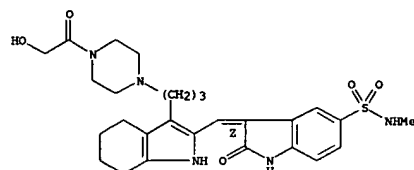
RN 502157-06-4 CAPLUS
 CN 1-Piperazinecarboxylic acid, 4-[3-[2-[(Z)-[5-(ethylsulfonyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]-, ethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



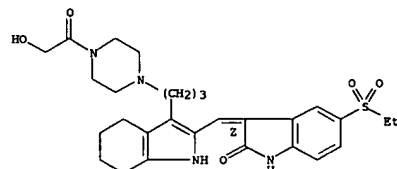
RN 502157-07-5 CAPLUS
 CN Piperazine, 1-acetyl-4-[3-[2-[(Z)-[1,2-dihydro-5-[(methylamino)sulfonyl]-2-

L4 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 Double bond geometry as shown.



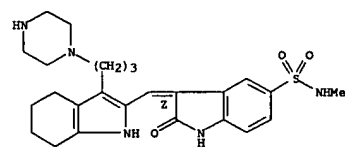
RN 502157-13-3 CAPLUS
 CN Piperazine, 1-[3-[2-[(Z)-[5-(ethylsulfonyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]-4-(hydroxyacetyl)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



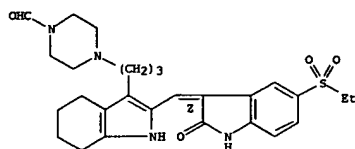
RN 502157-14-4 CAPLUS
 CN 1H-indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-(1-piperazinyl)propyl]-1H-indol-2-yl]methylene]-, (32)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



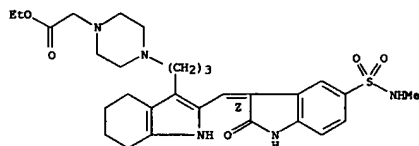
RN 502157-15-5 CAPLUS
 CN 1-Piperazinecarboxaldehyde, 4-[3-[2-[(Z)-[5-(ethylsulfonyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



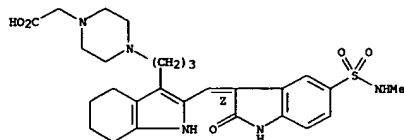
RN 502157-16-6 CAPLUS
CN 1-Piperazineacetic acid, 4-[3-[2-[(2)-[1,2-dihydro-5-[(methylamino)sulfonyl]-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]-, ethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



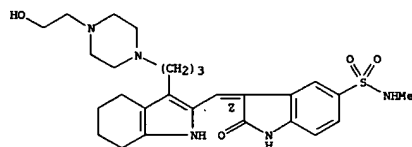
RN 502157-18-8 CAPLUS
CN 1-Piperazineacetic acid, 4-[3-[2-[(2)-[1,2-dihydro-5-[(methylamino)sulfonyl]-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



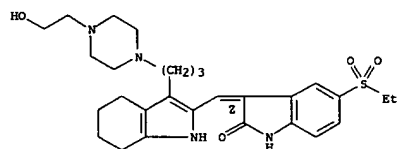
RN 502157-19-9 CAPLUS
CN 1-Piperazineacetic acid, 4-[3-[2-[(2)-[5-(ethylsulfonyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



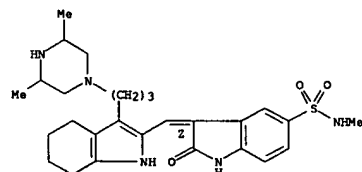
RN 502157-26-8 CAPLUS
CN 2H-Indol-2-one, 5-(ethylsulfonyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-3-[3-[4-(2-hydroxyethyl)-1-piperazinyl]propyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



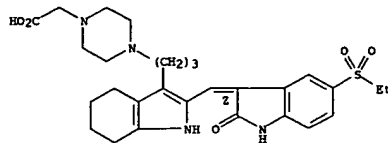
RN 502157-28-0 CAPLUS
CN 1H-Indole-5-sulfonamide, 3-[[3-[3-(3,5-dimethyl-1-piperazinyl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-methyl-2-oxo-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



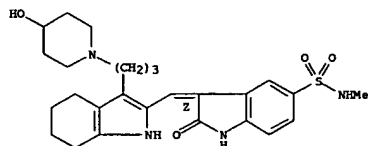
RN 502157-29-1 CAPLUS
CN 2H-Indol-2-one, 3-[[3-[3-(3,5-dimethyl-1-piperazinyl)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-5-(ethylsulfonyl)-1,3-dihydro-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



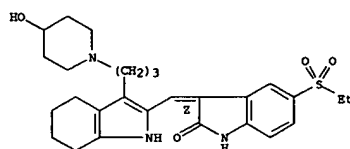
RN 502157-21-3 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-[4-(hydroxy-1-piperidinyl)propyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



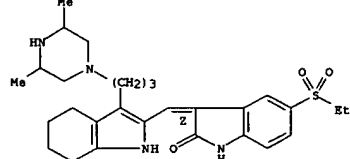
RN 502157-22-4 CAPLUS
CN 2H-Indol-2-one, 5-(ethylsulfonyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-3-[3-[4-(hydroxy-1-piperidinyl)propyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



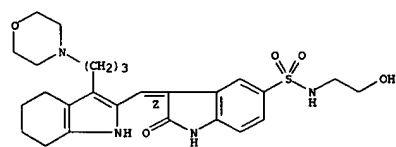
RN 502157-24-6 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-[4-(2-hydroxyethyl)-1-piperazinyl]propyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



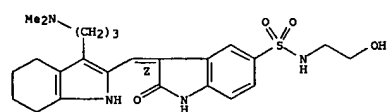
RN 502157-31-5 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-[4-(2-hydroxyethyl)-1-piperazinyl]propyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



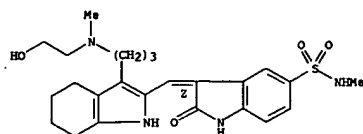
RN 502157-32-6 CAPLUS
CN 1H-Indole-5-sulfonamide, 3-[[3-[3-(dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-2,3-dihydro-N-(2-hydroxyethyl)-2-oxo-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



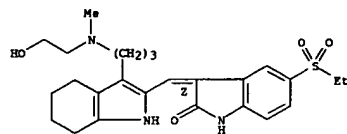
RN 502157-33-7 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[[4,5,6,7-tetrahydro-3-[3-[4-(2-hydroxyethyl)methylamino]propyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 502157-36-0 CAPLUS
 CN 2H-Indol-2-one, 5-(ethylsulfonyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-3-[3-[(2-hydroxyethyl)methylamino]propyl]-1H-indol-2-yl]methylene]-, (3Z)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



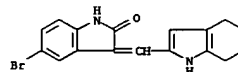
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2002:628660 CAPLUS
 DOCUMENT NUMBER: 137:346843
 TITLE: Effects of vascular endothelial and platelet-derived growth factor receptor inhibitors on long-term cultures from normal human bone marrow
 AUTHOR(S): Duhresen, Ulrich; Martinez, Tanja; Vohwinkel, Gabi; Ergun, Suleyman; Sun, Li; McMahon, Gerald; Durig, Jan; Hossfeld, Dieter Kurt; Fiedler, Walter
 CORPORATE SOURCE: Zentrum für Innere Medizin, Abteilung für Hämatologie, Universitätsklinikum Essen, Germany
 SOURCE: Growth Factors (2001), 19(1), 1-17
 CODEN: GRFAEC; ISSN: 0897-7194
 PUBLISHER: Taylor & Francis Ltd.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB Endothelial cells and fibroblasts are important constituents of the hemopoietic microenvironment. Growth and function of these cells are controlled by a variety of cytokines, including VEGF and PDGF. The authors analyzed the effects of novel tyrosine kinase inhibitors targeting the VEGF and PDGF receptors (compds. SU5614 and SU5768) on the performance of long-term cultures from normal human bone marrow. In developing cultures, the inhibitors induced a dose-dependent reduction in stromal fibroblasts, macrophages and endothelial cells with a concomitant decrease in blood cell production and an increase in fat cells. For SU5614, the concentration inhibiting stroma formation by 50% (IC50) was 123 nM, and the IC50 for hemopoietic colony forming cell output was 186 nM. For SU5768, the resp. values were 871 nM and 331 nM. Changes in stroma composition and inhibition of hemopoietic cell production were also demonstrable after delayed addition of the inhibitors to established cultures. By contrast, hemopoietic colony formation in clonogenic agar cultures was unimpaired (IC50 not reached at 100 µM). Immunofluorescence studies and time course analyses suggested that the primary effect of the inhibitors was interference with the proliferation and function of fibroblasts and endothelial cells which in turn resulted in decreased hemopoiesis and increased adipogenesis. This was associated with decreased levels in conditioned media of granulocyte-macrophage colony-stimulating factor, interleukin-6 and leptin. VEGF and PDGF may play a hitherto underestimated role in the control of blood cell formation. VEGF/PDGF receptor inhibitors may have therapeutic potential in stroma diseases such as myelofibrosis. Since they weaken the stimulatory signals provided by the microenvironment, they may also be of value in the treatment of leukemia and other neoplastic bone marrow diseases.

IT 204003-89-4, SU 5768
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (PDGF and VEGF inhibitors biochem. and cellular characterization using bone marrow endothelial cells and fibroblasts)

RN 204003-89-4 CAPLUS
 CN 2H-Indol-2-one, 5-bromo-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2002:539677 CAPLUS
 DOCUMENT NUMBER: 137:109202
 TITLE: Preparation of 4-aryl substituted indolinones as protein kinase signal transduction modulators for inhibiting abnormal cell proliferation
 INVENTOR(S): Cui, Jingsong; Zhang, Ruofei; Shen, Hong; Chu, Ji Yu; Zhang, Fang-Jie; Koenig, Marcel; Do, Steven Huy; Li, Xiaoyuan; Wei, Chung Chen; Tang, Peng Cho
 PATENT ASSIGNEE(S): USA
 SOURCE: PCT Int. Appl., 560 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

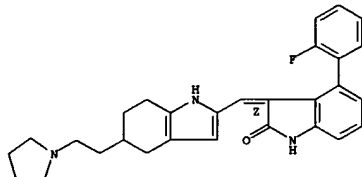
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002055517	A2	20020718	WO 2001-US48564	20011220
WO 2002055517	A3	20020926		
W: AB, AC, AL, AM, AN, AP, AR, AS, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LA, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2432114	AA	20020718	CA 2001-2432114	20011220
US 2003069297	A1	20030410	US 2001-23488	20011220
US 6677368	B2	20040113		
EP 1349852	A2	20031008	EP 2001-997065	20011220
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004518669	T2	20040624	JP 2002-556186	20011220
US 2004157909	A1	20040812	US 2003-736243	20031216
US 6861418	B2	20050301		
PRIORITY APPLN. INFO.:			US 2000-256479P	P 20001220
			US 2001-23488	A3 20011220
			WO 2001-US48564	W 20011220
OTHER SOURCE(S):		MARPAT 137:109202		
G1				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I (R1 = (un)substituted aryl or heteroaryl; R2 = H, halo, alkyl, alkenyl, alkynyl, heterocyclyl, etc.; R3 = (un)substituted pyrrole or cycloalkenylpyrrole], as well as pharmaceutical compds. thereof, are prepared and disclosed as compds. capable of modulating protein kinase signal transduction in order to regulate, modulate and/or inhibit abnormal cell proliferation. Thus II, was prepared via condensation of 4-phenyl-1,3-dihydroindol-2-one with 5-formyl-2-methyl-4-[3-(4-methylpiperazin-1-yl)propyl]-1H-pyrrole-3-carboxylic acid Et ester. I were evaluated against eight specific kinases, e.g., FGFR1, for which I possessed IC50 values (µM) of 0.0091-2.07. The present invention also

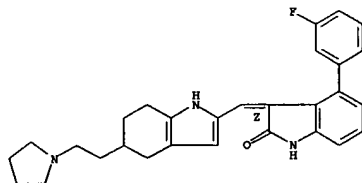
L4 ANSWER 20 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 relates to methods for treating protein kinase related disorders.
 IT 442559-47-9P 442559-48-OP 442559-49-1P
 442559-50-4P 442559-51-5P 442559-52-6P
 442560-33-OP 442560-34-1P 442560-35-2P
 442560-36-3P 442560-37-4P 442561-22-OP
 442561-23-1P 442561-24-2P 442562-17-6P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (target compound; preparation of (aryl)(pyrrolylmethylene)indolinones as
 protein kinase signal transduction modulators)
 RN 442559-47-9 CAPLUS
 CN 2H-Indol-2-one, 4-(2-fluorophenyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-5-[2-
 (1-pyrrolidinyl)ethyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX
 NAME)

Double bond geometry as shown.



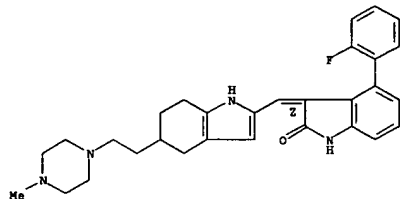
RN 442559-48-0 CAPLUS
 CN 2H-Indol-2-one, 4-(2-fluorophenyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-5-[2-
 (1-pyrrolidinyl)ethyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX
 NAME)

Double bond geometry as shown.



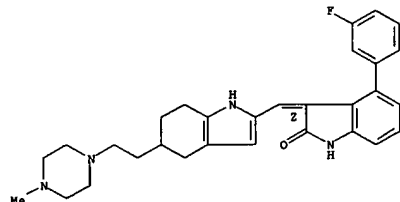
RN 442559-49-1 CAPLUS
 CN 2H-Indol-2-one, 4-(2-fluorophenyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-5-[2-
 (4-morpholinyl)ethyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX
 NAME)

L4 ANSWER 20 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 442559-52-6 CAPLUS
 CN 2H-Indol-2-one, 4-(2-fluorophenyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-5-[2-
 (4-methyl-1-piperazinyl)ethyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA
 INDEX NAME)

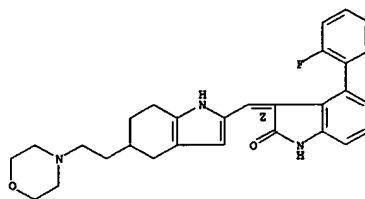
Double bond geometry as shown.



RN 442560-33-0 CAPLUS
 CN 2H-Indol-2-one, 3-[[3-[3-(dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-
 indol-2-yl]methylene]-4-(4-fluorophenyl)-1,3-dihydro-, (3Z)- (9CI) (CA
 INDEX NAME)

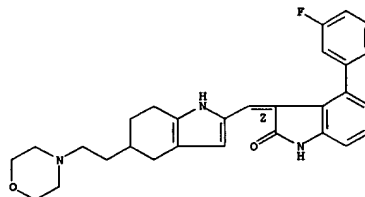
Double bond geometry as shown.

L4 ANSWER 20 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 Double bond geometry as shown.



RN 442559-50-4 CAPLUS
 CN 2H-Indol-2-one, 4-(2-fluorophenyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-5-[2-
 (4-morpholinyl)ethyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA INDEX
 NAME)

Double bond geometry as shown.

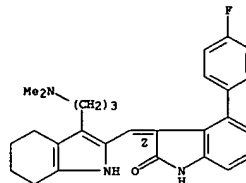


RN 442559-51-5 CAPLUS
 CN 2H-Indol-2-one, 4-(2-fluorophenyl)-1,3-dihydro-3-[[4,5,6,7-tetrahydro-5-[2-
 (4-methyl-1-piperazinyl)ethyl]-1H-indol-2-yl]methylene]-, (3Z)- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.

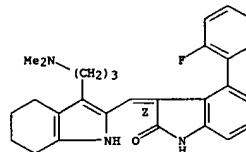


L4 ANSWER 20 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



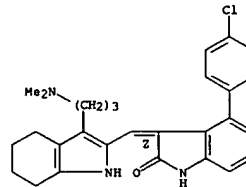
RN 442560-34-1 CAPLUS
 CN 2H-Indol-2-one, 3-[[3-[3-(dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-
 indol-2-yl]methylene]-4-(2-fluorophenyl)-1,3-dihydro-, (3Z)- (9CI) (CA
 INDEX NAME)

Double bond geometry as shown.



RN 442560-35-2 CAPLUS
 CN 2H-Indol-2-one, 4-(4-chlorophenyl)-3-[[3-[3-(dimethylamino)propyl]-4,5,6,7-
 tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro-, (3Z)- (9CI) (CA INDEX
 NAME)

Double bond geometry as shown.



RN 442560-36-3 CAPLUS
 CN 2H-Indol-2-one, 4-(3-chlorophenyl)-3-[[3-[3-(dimethylamino)propyl]-4,5,6,7-
 tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro-, (3Z)- (9CI) (CA INDEX
 NAME)

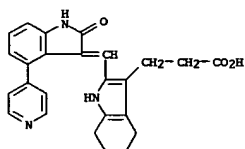
L4 ANSWER 21 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 than two N atoms, 5-membered ring (un)substituted heterocycle contg. N, O or S, e.g., imidazolyl, pyrrolyl, indolyl, etc.] with some exceptions, were prep'd. Included are 75 synthetic examples and results for several protein tyrosine kinase assays for those compds. For instance, 4-bromoindole was coupled to bis(pinacolato)diborane (DMSO, KOAc, PdCl2(dppf)-CH2Cl2, 80°C, 22 h). The resulting diborolane was coupled to 4-bromopyridine-HCl (THF, Pd(PPh3)4, NaOH, 70°C, 6 h) to give the indole which was treated with CSHN=Br3 (t-BuOH/EtOH/H2O, 1h) followed by zinc (stirred 1 addnl. hour) to give 4-(pyridin-4-yl)-1,3-dihydroindol-2-one as a yellow solid. Condensation of this intermediate with 5-methylimidazole-4-carboxaldehyde (EtOH, piperidine, 2 days) afforded II. II had IC50 = 4.88 nM for FGFR-1 tyrosine kinase and 0.03 nM for cdk2/cyclin A tyrosine kinase. I are useful in treating cancer, immunol. disorders, etc.

IT 388116-50-5P 388116-57-2P, 3-(1H-Indol-2-ylmethylene)-4-(pyridin-4-yl)-1,3-dihydroindol-2-one 388116-58-3P, 4-(Pyridin-4-yl)-3-(4,5,6,7-tetrahydro-1H-indol-2-ylmethylene)-1,3-dihydroindol-2-one 388116-59-4P, 3-[5-(2-(Morpholin-4-yl)ethoxy)-1H-indol-2-ylmethylene]-4-(pyridin-4-yl)-1,3-dihydroindol-2-one 388116-62-9P 388116-87-8P 388116-93-6P, 3-(1H-Indol-2-ylmethylene)-4-(piperidin-4-yl)-1,3-dihydroindol-2-one 388116-94-7P, 4-(Piperidin-4-yl)-3-(4,5,6,7-tetrahydro-1H-indol-2-ylmethylene)-1,3-dihydroindol-2-one 388116-95-8P, 3-[5-(2-(Morpholin-4-yl)ethoxy)-1H-indol-2-ylmethylene]-4-(piperidin-4-yl)-1,3-dihydroindol-2-one 388116-98-1P, 3-[3-(3-Morpholin-4-ylpropyl)-4,5,6,7-tetrahydro-1H-indol-2-ylmethylene]-4-(piperidin-4-yl)-1,3-dihydroindol-2-one

RI: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

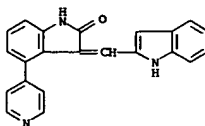
(drug; preparation and use of 4-heteroaryl-3-heteroarylidene-2-indolinones and their use as protein kinase inhibitors)

RN 388116-50-5 CAPLUS
 CN 1H-Indole-3-propanoic acid, 2-[[1,2-dihydro-2-oxo-4-(4-pyridinyl)-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

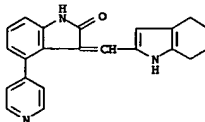


RN 388116-57-2 CAPLUS
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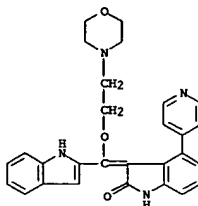
L4 ANSWER 21 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 388116-58-3 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-4-(4-pyridinyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

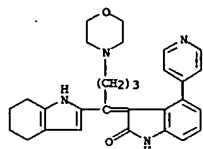


RN 388116-59-4 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-[1H-indol-2-yl(2-(4-morpholinyl)ethoxy)methylene]-4-(4-pyridinyl)- (9CI) (CA INDEX NAME)

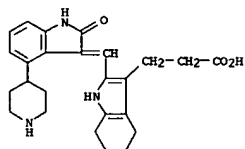


RN 388116-62-9 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-(4-(4-morpholinyl)-1-(4,5,6,7-tetrahydro-1H-indol-2-yl)butylidene)-4-(4-pyridinyl)- (9CI) (CA INDEX NAME)

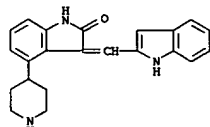
L4 ANSWER 21 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 388116-87-8 CAPLUS
 CN 1H-Indole-3-propanoic acid, 2-[[1,2-dihydro-2-oxo-4-(4-piperidinyl)-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

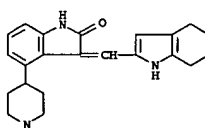


RN 388116-93-6 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-(1H-indol-2-ylmethylene)-4-(4-piperidinyl)- (9CI) (CA INDEX NAME)

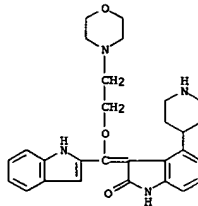


RN 388116-94-7 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-4-(4-piperidinyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

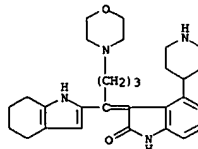
L4 ANSWER 21 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



RN 388116-95-8 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-[1H-indol-2-yl(2-(4-morpholinyl)ethoxy)methylene]-4-(4-piperidinyl)- (9CI) (CA INDEX NAME)



RN 388116-98-1 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-(4-(4-morpholinyl)-1-(4,5,6,7-tetrahydro-1H-indol-2-yl)butylidene)-4-(4-piperidinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

9

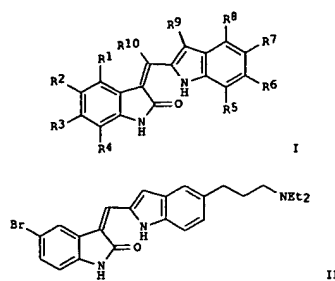
THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 2001:904107 CAPLUS
 DOCUMENT NUMBER: 136:37505
 TITLE: Preparation of 3-(2-indolylmethylene)-2-indolinones as protein kinase/phosphatase inhibitors for treatment of proliferative diseases
 INVENTOR(S): Tang, Peng Chor Harris, G. Davis; Li, Xiaoyuan
 PATENT ASSIGNEE(S): Sugen, Inc., USA
 SOURCE: PCT Int. Appl., 199 pp.
 CODEN: PIXX02
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001094312	A2	20011213	WO 2001-US17961	20010604
WO 2001094312	A3	20020808		
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, CA, GN, GV, ML, MR, NE, SN, TD, TG				
CA 2410509	AA	20011213	CA 2001-2410509	20010604
US 2002052369	A1	20020502	US 2001-871700	20010604
US 6706709	B2	20040316		
EP 1294688	A2	20030326	EP 2001-946059	20010604
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JP 2003535847	T2	20031202	JP 2002-501862	20010604
US 2004147586	A1	20040729	US 2003-725277	20031202
PRIORITY APPL. INFO.: US 2000-209162P F 20000602				
US 2001-871700 A3 20010604				
WO 2001-US17961 W 20010604				

OTHER SOURCE(S): MARPAT 136:37505
 GI

L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



AB Title compds. I [wherein R4-R6 and R8-R10 = H; R1, R2, and R3 = independently H, halo, carboxylic acid, trihalomethyl, or (un)substituted ester, amide, alkyl, alkoxy, or (hetero)aryl; R7 = (un)substituted alkyl or alkoxy; or pharmaceutically acceptable salt thereof] were prepared as modulators of the activity of protein kinases (PKs) and phosphatases. For example, 5-bromo-2-oxindole was coupled with 5-(3-diethylaminopropyl)-1H-indole-2-carbaldehyde (preparation given) in the presence of piperidine in EtOH

to afford II, which inhibited GST-PLK-1, EGF receptor kinase, and PDGF with IC50 values of 0.03 μM, 2.87 μM, and 0.38 μM, resp. I are useful in treating disorders related to abnormal PK activity, such as blood vessel proliferative disorders, mesangial cell proliferative disorders, fibrotic disorders, cancer, diabetes, autoimmune disorders, hyperproliferation disorders, restenosis, fibrosis, psoriasis, von Heppel-Lindau disease, osteoarthritis, rheumatoid arthritis, angiogenesis, inflammatory disorders, immunol. disorders, and cardiovascular disorders (no data). Combinatorial libraries comprising at least five indolinone compds., formed by reacting oxindoles with aldehydes, are also claimed.

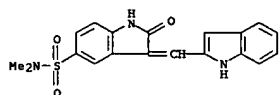
IT RL: CPN (Combinatorial preparation); CRT (Combinatorial reactant); RCT (Reactant); SPN (Synthetic preparation); CMBI (Combinatorial study); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of (indolylmethylene)indolinones as protein kinase/phosphatase

inhibitors for treatment of proliferative diseases)

RN 258830-88-5 CAPLUS

CN 1H-indole-5-sulfonamide, 2,3-dihydro-3-(1H-indol-2-ylmethylene)-N,N-dimethyl-2-oxo- (9CI) (CA INDEX NAME)

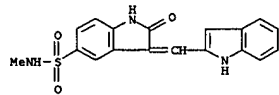
L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



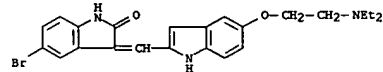
IT 258830-79-4P 380241-29-2P 380241-30-5P
 380241-31-6P 380241-33-8P
 RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)
 (preparation of (indolylmethylene)indolinones as protein kinase/phosphatase inhibitors for treatment of proliferative diseases)

RN 258830-79-4 CAPLUS

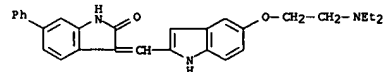
CN 1H-indole-5-sulfonamide, 2,3-dihydro-3-(1H-indol-2-ylmethylene)-N-methyl-2-oxo- (9CI) (CA INDEX NAME)



RN 380241-29-2 CAPLUS
 CN 2H-indol-2-one, 5-bromo-3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro- (9CI) (CA INDEX NAME)

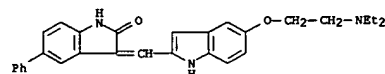


RN 380241-30-5 CAPLUS
 CN 2H-indol-2-one, 3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro-6-phenyl- (9CI) (CA INDEX NAME)



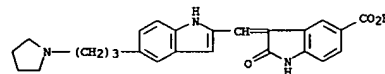
RN 380241-31-6 CAPLUS
 CN 2H-indol-2-one, 3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro-5-phenyl- (9CI) (CA INDEX NAME)

L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



RN 380241-33-8 CAPLUS

CN 1H-indole-5-carboxylic acid, 2,3-dihydro-2-oxo-3-[[5-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



IT 258830-66-9P 380242-44-4P 380242-45-5P

380242-46-6P 380242-47-7P 380242-48-8P

380242-49-9P 380242-50-2P 380242-51-3P

380242-52-4P 380242-53-5P 380242-54-6P

380242-55-7P 380242-56-8P 380242-57-9P

380242-58-0P 380242-59-1P 380242-60-4P

380242-61-5P 380242-62-6P 380242-63-7P

380242-64-8P 380242-65-9P 380242-66-0P

380242-67-1P 380242-68-2P 380242-69-3P

380242-70-6P 380242-71-7P 380242-72-8P

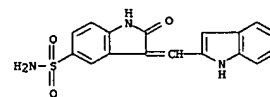
380242-73-9P 380363-16-6P

RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)
 (preparation of (indolylmethylene)indolinones as protein kinase/phosphatase

inhibitors for treatment of proliferative diseases)

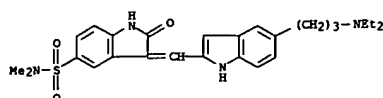
RN 258830-66-9 CAPLUS

CN 1H-indole-5-sulfonamide, 2,3-dihydro-3-(1H-indol-2-ylmethylene)-2-oxo- (9CI) (CA INDEX NAME)

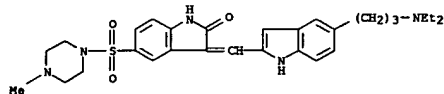


RN 380242-44-4 CAPLUS

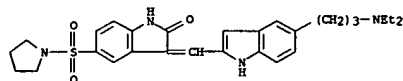
CN 1H-indole-5-sulfonamide, 3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-N,N-dimethyl-2-oxo- (9CI) (CA INDEX NAME)



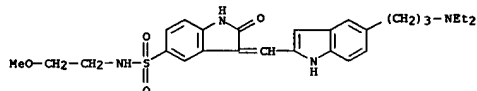
RN 380242-45-5 CAPLUS
CN Piperazine, 1-[[3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-1H-indol-5-yl]sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)



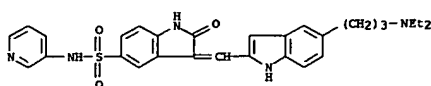
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CN Pyrrolidine, 1-[[3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-1H-indol-5-yl]sulfonyl]-1-methyl- (9CI) (CA INDEX NAME)



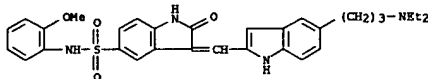
RN 380242-47-7 CAPLUS
CN 1H-Indole-5-sulfonamide, 3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



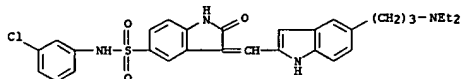
RN 380242-48-8 CAPLUS
CN 1H-Indole-5-sulfonamide, 3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



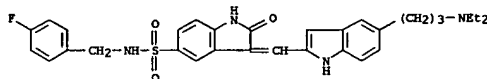
RN 380242-49-9 CAPLUS
CN 1H-Indole-5-sulfonamide, 3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



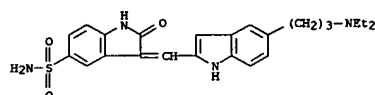
RN 380242-50-2 CAPLUS
CN 1H-Indole-5-sulfonamide, N-(3-chlorophenyl)-3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)



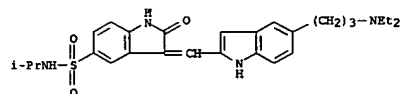
RN 380242-51-3 CAPLUS
CN 1H-Indole-5-sulfonamide, 3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-N-[(4-fluorophenyl)methyl]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)



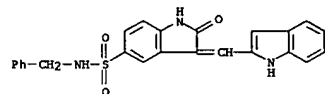
RN 380242-52-4 CAPLUS
CN 1H-Indole-5-sulfonamide, 3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)



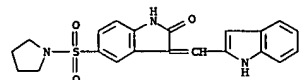
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CN 1H-Indole-5-sulfonamide, 3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-N-(2-methoxyethyl)- (9CI) (CA INDEX NAME)



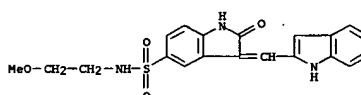
RN 380242-54-6 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-3-(1H-indol-2-ylmethylene)-2-oxo-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



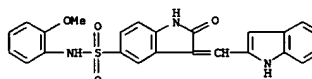
RN 380242-55-7 CAPLUS
CN Pyrrolidine, 1-[[3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo-1H-indol-5-yl]sulfonyl]-1-methyl- (9CI) (CA INDEX NAME)



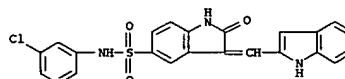
RN 380242-56-8 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-3-(1H-indol-2-ylmethylene)-N-(2-methoxyethyl)-2-oxo- (9CI) (CA INDEX NAME)



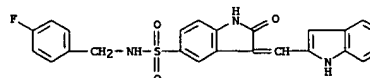
RN 380242-57-9 CAPLUS
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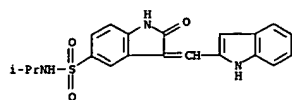
RN 380242-58-0 CAPLUS
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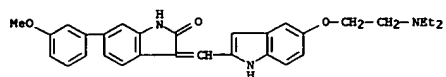
RN 380242-59-1 CAPLUS
CN 1H-Indole-5-sulfonamide, N-[(4-fluorophenyl)methyl]-2,3-dihydro-3-(1H-indol-2-ylmethylene)-2-oxo- (9CI) (CA INDEX NAME)



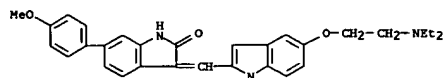
RN 380242-60-4 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-3-(1H-indol-2-ylmethylene)-N-(1-methylethyl)-2-oxo- (9CI) (CA INDEX NAME)



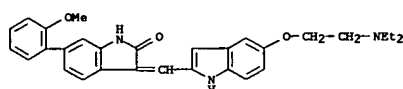
RN 380242-61-5 CAPLUS
CN 2H-Indol-2-one, 3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro-6-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



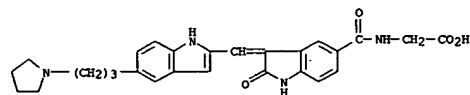
RN 380242-62-6 CAPLUS
CN 2H-Indol-2-one, 3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro-6-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



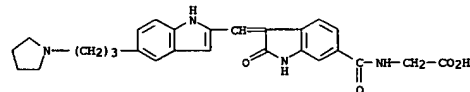
RN 380242-63-7 CAPLUS
CN 2H-Indol-2-one, 3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro-6-(2-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 380242-64-8 CAPLUS
CN 1H-Indole-4-carboxylic acid, 3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)

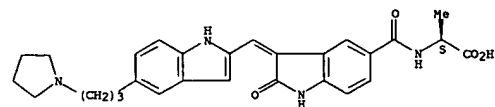


RN 380242-69-3 CAPLUS
CN Glycine, N-[[2,3-dihydro-2-oxo-3-[[5-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-6-yl]carbonyl]- (9CI) (CA INDEX NAME)



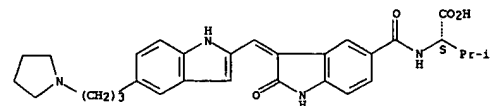
RN 380242-70-6 CAPLUS
CN L-Alanine, N-[[2,3-dihydro-2-oxo-3-[[5-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

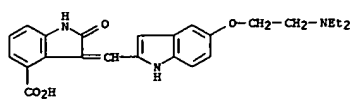


RN 380242-71-7 CAPLUS
CN L-Valine, N-[[2,3-dihydro-2-oxo-3-[[5-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]carbonyl]- (9CI) (CA INDEX NAME)

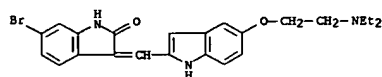
Absolute stereochemistry.
Double bond geometry unknown.



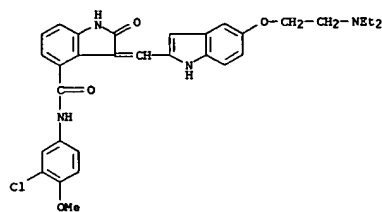
RN 380242-72-8 CAPLUS



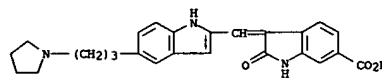
RN 380242-65-9 CAPLUS
CN 2H-Indol-2-one, 6-bromo-3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro- (9CI) (CA INDEX NAME)



RN 380242-66-0 CAPLUS
CN 1H-Indole-4-carboxamide, N-(3-chloro-4-methoxyphenyl)-3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-2,3-dihydro-2-oxo- (9CI) (CA INDEX NAME)



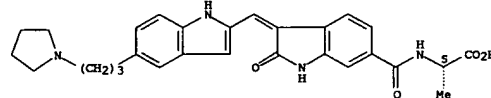
RN 380242-67-1 CAPLUS
CN 1H-Indole-4-carboxylic acid, 2,3-dihydro-2-oxo-3-[[5-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



RN 380242-68-2 CAPLUS
CN Glycine, N-[[2,3-dihydro-2-oxo-3-[[5-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-5-yl]carbonyl]- (9CI) (CA INDEX NAME)

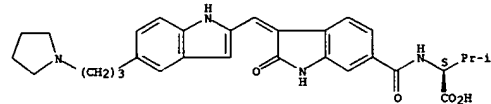
CN L-Alanine, N-[[2,3-dihydro-2-oxo-3-[[5-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-6-yl]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry unknown.

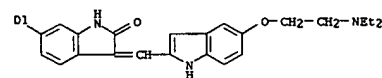


RN 380242-73-9 CAPLUS
CN L-Valine, N-[[2,3-dihydro-2-oxo-3-[[5-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]-1H-indol-6-yl]carbonyl]- (9CI) (CA INDEX NAME)

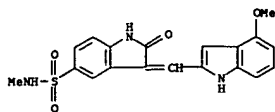
Absolute stereochemistry.
Double bond geometry unknown.



RN 380363-16-6 CAPLUS
CN 2H-Indol-2-one, 3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro-6-(pyridinyl)- (9CI) (CA INDEX NAME)



IT 380242-01-3P
RI: CRT (Combinatorial reactant); RCT (Reactant); SPN (Synthetic preparation); CMB (Combinatorial study); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (indolyl)methyleneindolinones as protein kinase/phosphatase inhibitors for treatment of proliferative diseases)
RN 380242-01-3 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-3-[[4-methoxy-1H-indol-2-

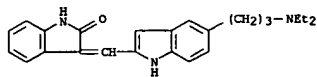


IT	380241-13-49	380241-14-58	380241-15-69
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	380241-19-09	380241-20-39	380241-21-49
	380241-22-59	380241-23-69	380241-24-79
	380241-25-89	380241-26-99	380241-27-09
	380241-28-19	380241-32-79	380241-34-99
	380241-35-09	380241-36-19	380241-37-29
	380241-38-39	380241-39-49	380241-40-79
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	380241-47-49	380241-48-59	380241-49-69
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	380241-54-39	380241-56-59	380241-59-89
	380241-61-29	380241-65-69	380241-68-99
	380241-71-49	380241-74-79	380241-78-19
	380241-82-79	380241-84-99	380241-86-19
	380241-88-39	380241-90-79	380241-91-89
	380241-92-99	380241-93-09	380241-94-19
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	380241-98-59	380241-99-69	380242-00-29

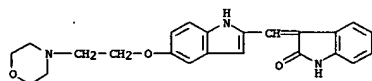
THU: PAC (Pharmacological activity); SYN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses).

(preparation of (indolylmethylene)indolinones as protein kinase/phosphatase inhibitors for treatment of proliferative diseases)

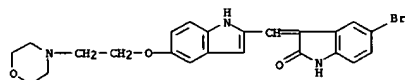
RN 380241-13-4 CAPLUS
CN 2H-Indol-2-one, 3-[[5-{3-(diethylamino)propyl}-1H-indol-2-yl]methylene]-
1,3-dihydro- (9CI) (CA INDEX NAME)



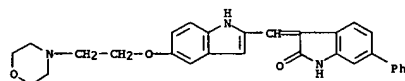
RN 380241-14-5 CAPLUS
CN 2H-Indol-2-one, 5-bromo-3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-1,3-dihydro- (9CI) (CA INDEX NAME)



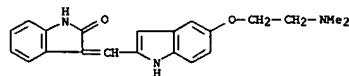
RN 380241-20-3 CAPLUS
CN ZH-Indol-2-one, 5-bromo-1,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



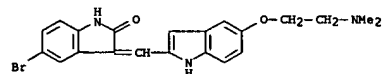
RN 380241-21-4 CAPLUS
CN 2H-Indol-2-one, 1,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl)methylene]-6-phenyl- (9CI) (CA INDEX NAME)



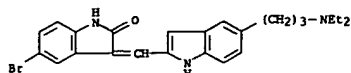
RN 380241-22-5 CAPLUS
CN 2H-Indol-2-one, 3-[[5-[2-(dimethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro- (9CI) (CA INDEX NAME)



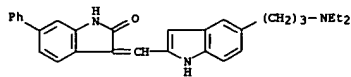
RN 380241-23-6 CAPLUS
CN 2H-indol-2-one, 5-bromo-3-[[5-[2-(dimethylamino)ethoxy]-1H-indol-2-yl]methylene]-1,3-dihydro- (9CI) (CA INDEX NAME)



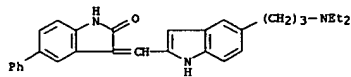
RN 380241-24-7 CAPLUS



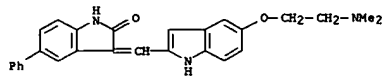
RN 380241-15-6 CAPLUS
CN ZH-Indol-2-one, 3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-
1,3-dihydro-6-phenyl- (9CI) (CA INDEX NAME)



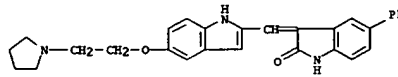
RN 380241-16-7 CAPLUS
CN 2H-Indol-2-one, 3-[[5-[3-(diethylamino)propyl]-1H-indol-2-yl]methylene]-
1,3-dihydro-5-phenyl- (9CI) (CA INDEX NAME)



RN 380241-17-8 CAPLUS
CN 2H-Indol-2-one, 3-[[5-[2-(dimethylamino)ethoxy]-1H-indol-2-yl]methylene]-
1,3-dihydro-5-phenyl- (9CI) (CA INDEX NAME)

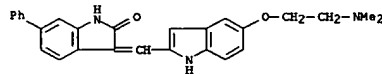


RN 380241-18-9 CAPLUS
CN 2H-Indol-2-one, 1,3-dihydro-5-phenyl-3-({[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene)- (9CI) (CA INDEX NAME)

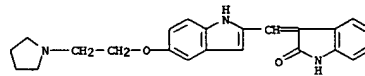


RN 380241-19-0 CAPLUS
CN 2H-Indol-2-one, 1,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

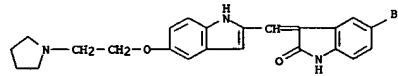
2H-Indol-2-one, 3-[[5-(2-(dimethylamino)ethoxy)-1H-indol-2-yl]methylene]-
1,3-dihydro-6-phenyl- (9CI) (CA INDEX NAME)



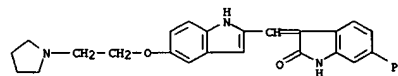
RN 380241-25-8 CAPLUS
CN 2H-Indol-2-one, 1,3-dihydro-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



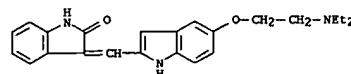
RN 380241-26-9 CAPLUS
CN 2H-Indol-2-one, 5-bromo-1,3-dihydro-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 380241-27-0 CAPLUS
CN 2H-Indol-2-one, 1,3-dihydro-6-phenyl-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)

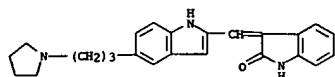


RN 380241-28-1 CAPLUS
CN ZH-Indol-2-one, 3-[[5-[2-(diethylamino)ethoxy]-1H-indol-2-yl]methylene]-
1,3-dihydro- (9CI) (CA INDEX NAME)

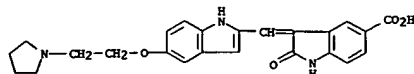


RN 380241-32-7 CAPLUS

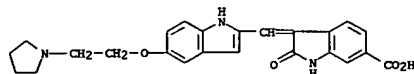
L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 CN 2H-Indol-2-one, 1,3-dihydro-3-[[5-[3-(1-pyrrolidinyl)propyl]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



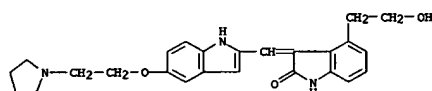
RN 380241-34-9 CAPLUS
 CN 1H-Indole-5-carboxylic acid, 2,3-dihydro-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



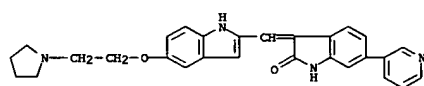
RN 380241-35-0 CAPLUS
 CN 1H-Indole-6-carboxylic acid, 2,3-dihydro-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



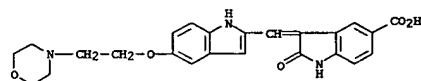
RN 380241-36-1 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-4-(2-hydroxyethyl)-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



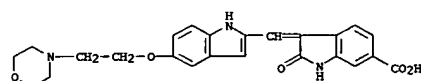
RN 380241-37-2 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(3-pyridinyl)-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



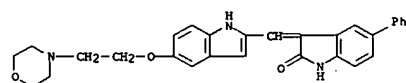
L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



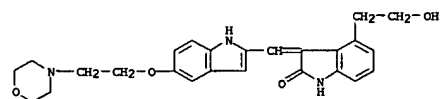
RN 380241-43-0 CAPLUS
 CN 1H-Indole-6-carboxylic acid, 2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo- (9CI) (CA INDEX NAME)



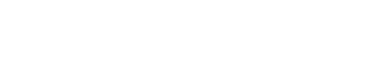
RN 380241-44-1 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-5-phenyl- (9CI) (CA INDEX NAME)



RN 380241-45-2 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-4-(2-hydroxyethyl)-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)

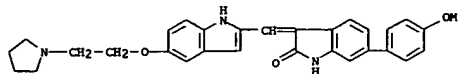


RN 380241-46-3 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-6-(3-pyridinyl)- (9CI) (CA INDEX NAME)

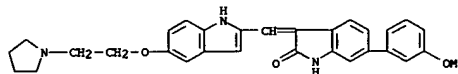


L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

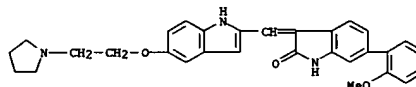
RN 380241-38-3 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(4-methoxyphenyl)-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



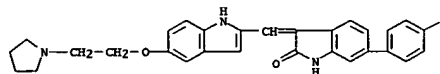
RN 380241-39-4 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(3-methoxyphenyl)-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



RN 380241-40-7 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(2-methoxyphenyl)-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



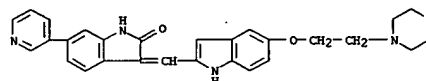
RN 380241-41-8 CAPLUS
 CN 2H-Indol-2-one, 6-(4-fluorophenyl)-1,3-dihydro-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



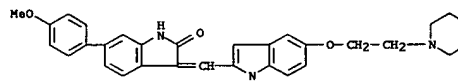
RN 380241-42-9 CAPLUS
 CN 1H-Indole-5-carboxylic acid, 2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo- (9CI) (CA INDEX NAME)



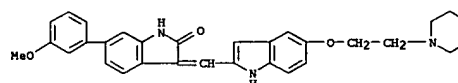
L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



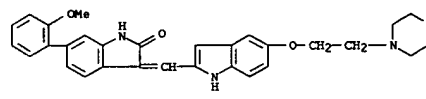
RN 380241-47-4 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(4-methoxyphenyl)-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



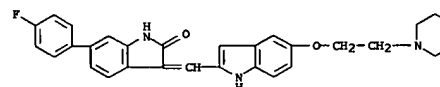
RN 380241-48-5 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(3-methoxyphenyl)-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



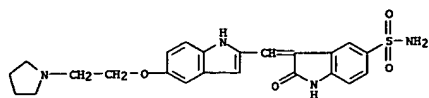
RN 380241-49-6 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(2-methoxyphenyl)-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



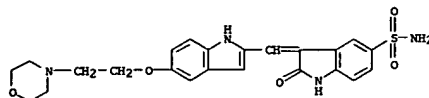
RN 380241-50-9 CAPLUS
 CN 2H-Indol-2-one, 6-(4-fluorophenyl)-1,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



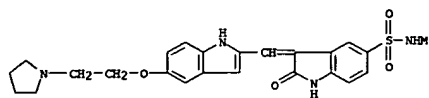
RN 380241-51-0 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



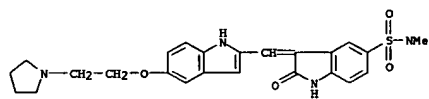
RN 380241-53-2 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo- (9CI) (CA INDEX NAME)



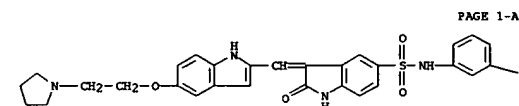
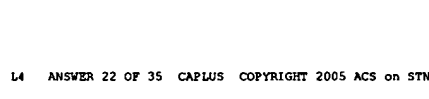
RN 380241-54-3 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



RN 380241-56-5 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



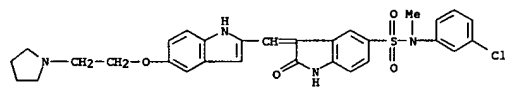
RN 380241-59-8 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N-(1-methylethyl)-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



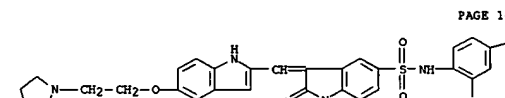
PAGE 1-B

-Cl

RN 380241-74-7 CAPLUS
CN 1H-Indole-5-sulfonamide, N-(3-chlorophenyl)-2,3-dihydro-N-methyl-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



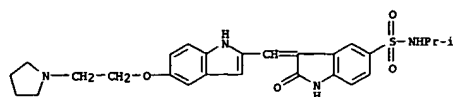
RN 380241-78-1 CAPLUS
CN 1H-Indole-5-sulfonamide, N-(4-chloro-2-fluorophenyl)-2,3-dihydro-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



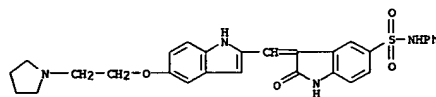
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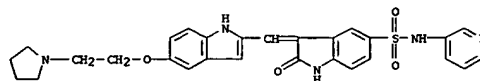
RN 380241-82-7 CAPLUS
CN Quinoline, 1-[[2,3-dihydro-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)



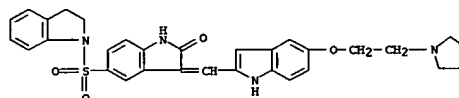
RN 380241-61-2 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-2-oxo-N-phenyl-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



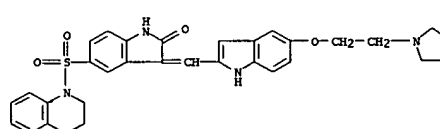
RN 380241-65-6 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-2-oxo-N-3-pyridinyl-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



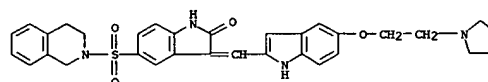
RN 380241-68-9 CAPLUS
CN 1H-Indole, 1-[[2,3-dihydro-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



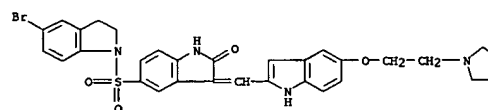
RN 380241-71-4 CAPLUS
CN 1H-Indole-5-sulfonamide, N-(3-chlorophenyl)-2,3-dihydro-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



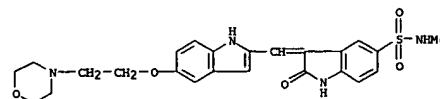
RN 380241-84-9 CAPLUS
CN Isoquinoline, 2-[[2,3-dihydro-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)



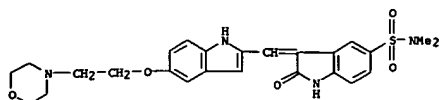
RN 380241-86-1 CAPLUS
CN 1H-Indole, 5-bromo-1-[[2,3-dihydro-2-oxo-3-[[5-[2-(1-pyrrolidinyl)ethoxy]-1H-indol-2-yl]methylene]-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



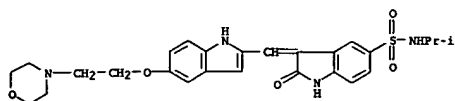
RN 380241-88-3 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N-methyl-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo- (9CI) (CA INDEX NAME)



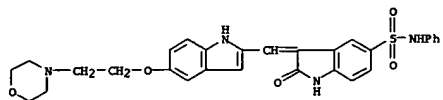
RN 380241-90-7 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo- (9CI) (CA INDEX NAME)



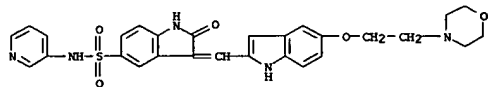
RN 380241-91-8 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N-(1-methylethyl)-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo- (9CI) (CA INDEX NAME)



RN 380241-92-9 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo-N-phenyl- (9CI) (CA INDEX NAME)

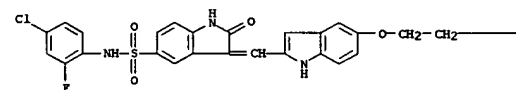


RN 380241-93-0 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 380241-94-1 CAPLUS
CN 1H-Indole, 1-[[2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

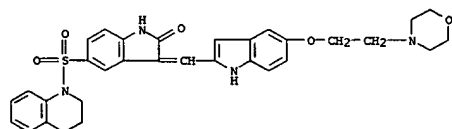
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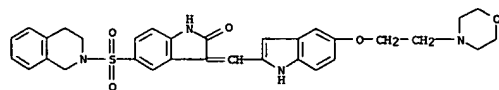
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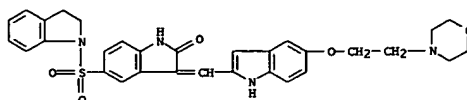
RN 380241-98-5 CAPLUS
CN Quinoline, 1-[[2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo-1H-indol-5-yl]sulfonyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)



RN 380241-99-6 CAPLUS
CN Isoquinoline, 2-[[2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo-1H-indol-5-yl]sulfonyl]-1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

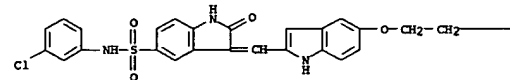


RN 380242-00-2 CAPLUS
CN 1H-Indole, 5-bromo-1-[[2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo-1H-indol-5-yl]sulfonyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



RN 380241-95-2 CAPLUS
CN 1H-Indole-5-sulfonamide, N-(3-chlorophenyl)-2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo- (9CI) (CA INDEX NAME)

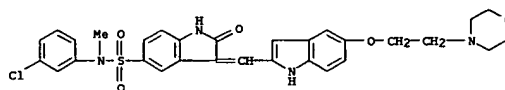
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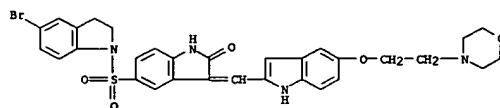
PAGE 1-B



RN 380241-96-3 CAPLUS
CN 1H-Indole-5-sulfonamide, N-(3-chlorophenyl)-2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo- (9CI) (CA INDEX NAME)



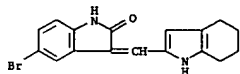
RN 380241-97-4 CAPLUS
CN 1H-Indole-5-sulfonamide, N-(4-chloro-2-fluorophenyl)-2,3-dihydro-3-[[5-[2-(4-morpholinyl)ethoxy]-1H-indol-2-yl]methylene]-2-oxo- (9CI) (CA INDEX NAME)



L4 ANSWER 23 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 2001:472477 CAPLUS
DOCUMENT NUMBER: 135:56059
TITLE: Methods of modulating c-kit tyrosine protein kinase function with indolinone compounds
INVENTOR(S): Lipson, Ken; McMahon, Gerald
PATENT ASSIGNEE(S): Sugen, Inc., USA
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXK02
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

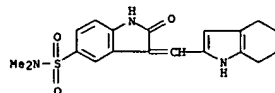
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001045689	A2	20010628	WO 2000-US35009	20001222
WO 2001045689	A3	20020103		
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2395461	AA	20010628	CA 2000-2395461	20001222
US 2002010203	A1	20020124	US 2000-741842	20001222
EP 1255536	A2	20021113	EP 2000-991704	20001222
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004500363	T2	20040108	JP 2001-546428	20001222
NZ 519697	A	20040827	NZ 2000-519697	20001222
US 2004002534	A1	20040101	US 2003-600868	20030623
PRIORITY APPLN. INFO.:				
			US 1999-171693P	P 19991222
			US 2000-741842	B1 20001222
			WO 2000-US35009	W 20001222

OTHER SOURCE(S): MARPAT 135:56059
AB The invention concerns indolinone compds. and their use to inhibit the activity of a receptor tyrosine kinase. The invention is preferably used to treat cell proliferative disorders such as cancers characterized by over-activity or inappropriate activity of c-kit kinase.
IT 204003-89-4 290821-18-0 330161-87-0
330161-88-1
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Indolinone derivs. for c-kit tyrosine protein kinase function modulation)
RN 204003-89-4 CAPLUS
CN 2H-Indol-2-one, 5-bromo-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



L4 ANSWER 24 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN
ACCESSION NUMBER: 2001:215821 CAPLUS
DOCUMENT NUMBER: 134:232275
TITLE: SU6656, a selective Src family kinase inhibitor, used to probe growth factor signaling
AUTHOR(S): Blake, Robert A.; Broome, Martin A.; Liu, Xiangdong; Wu, Jianming; Gishirky, Mikhail; Sun, Li; Courtneidge, Sara A.
CORPORATE SOURCE: Sugen Inc., South San Francisco, CA, 94080, USA
SOURCE: Molecular and Cellular Biology (2000), 20(23), 9018-9027
CODEN: MCEBD4; ISSN: 0270-7306
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English

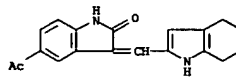
AB The use of small-mol. inhibitors to study mol. components of cellular signal transduction pathways provides a means of anal. complementary to currently used techniques, such as antisense, dominant-neg. (interfering) mutants and constitutively activated mutants. The authors have identified and characterized a small-mol. inhibitor, SU6656, which exhibits selectivity for Src and other members of the Src family. A related inhibitor, SU6657, inhibits many kinases, including Src and the platelet-derived growth factor (PDGF) receptor. The use of SU6656 confirmed the authors' previous findings that Src family kinases are required for both Myc induction and DNA synthesis in response to PDGF stimulation of NIH 3T3 fibroblasts. By comparing PDGF-stimulated tyrosine phosphorylation events in untreated and SU6656-treated cells, the authors found that some substrates (for example, c-Cbl, and protein kinase C β) were Src family substrates, whereas others (for example, phospholipase C- γ) were not. One protein, the adaptor Shc, was a substrate for both Src family kinases (on tyrosines 239 and 240) and a distinct tyrosine kinase (on tyrosine 317, which is perhaps phosphorylated by the PDGF receptor itself). Microinjection expts. demonstrated that a Shc mol. carrying mutations of tyrosines 239 and 240, in conjunction with an SH2 domain mutation, interfered with PDGF-stimulated DNA synthesis. Deletion of the phosphotyrosine-binding domain also inhibited synthesis. These inhibitions were overcome by heterologous expression of Myc, supporting the hypothesis that Shc functions in the Src pathway. SU6656 should prove a useful addnl. tool for further dissecting the role of Src kinases in this and other signal transduction pathways.
IT 330161-87-0, SU 6656 330161-88-1, SU 6657
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); FRP (Properties); BIOL (Biological study)
(Identification and characterization of small-mol. inhibitor SU6656 in relation to selective Src family kinase inhibitor SU6656 used to probe growth factor signaling)
RN 330161-87-0 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



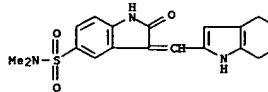
RN 330161-88-1 CAPLUS

L4 ANSWER 23 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

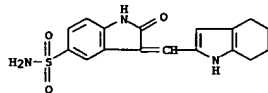
RN 290821-18-0 CAPLUS
CN 2H-Indol-2-one, 5-acetyl-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



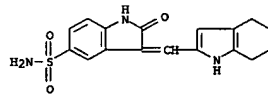
RN 330161-87-0 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 330161-88-1 CAPLUS
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



L4 ANSWER 24 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
CN 1H-Indole-5-sulfonamide, 2,3-dihydro-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 25 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2000:622463 CAPLUS
 DOCUMENT NUMBER: 133:217719
 TITLE: 3-(Cyclohexanoheteroarylidenyl)-2-indolinone protein tyrosine kinase inhibitors, and their therapeutic use
 INVENTOR(S): Tang, Peng Chor; Sun, Li; McMahon, Gerald; Blake, Robert A.
 PATENT ASSIGNEE(S): Eugen, Inc., USA
 SOURCE: U.S., 61 pp., Cont. -in-part of U.S. Ser. No. 99,842.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

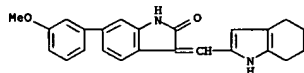
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6114371	A	20000905	US 1998-190970	19981112
US 6130238	A	20001010	US 1998-99842	19980619
US 2002183370	A1	20021205	US 2001-29946	20011231
US 6579897	B2	20030617		

PRIORITY APPLN. INFO.:
 US 1997-50977P P 19970620
 US 1997-59384P P 19970919
 US 1998-99842 A2 19980619
 US 1997-50413P P 19970620
 US 1997-59544P P 19970919
 US 1998-99721 A1 19980619
 US 2000-482198 A3 20000112

OTHER SOURCE(S): CASREACT 133:217719; MARPAT 133:217719
 AB 3-(Cyclohexano-heteroarylidenyl)-2-indolinone compds., and physiol. acceptable salts and prodrugs thereof, are disclosed which are expected to modulate the activity of protein tyrosine kinases and therefore to be useful in the prevention and treatment of protein tyrosine kinase-related cellular disorders (cancer, arthritis, restenosis, etc.).

IT 245035-88-5 245035-93-2 245035-96-5
 245036-00-4 245036-07-1 245036-08-2
 245036-21-9 245036-22-0 290821-14-6
 290821-15-7 290821-16-8 290821-17-9
 290821-18-0 290821-19-1 290821-20-4
 RI: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

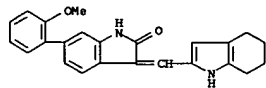
(cyclohexanoheteroarylidenyl indolinone protein tyrosine kinase inhibitors, and therapeutic use)
 RN 245035-88-5 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(3-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



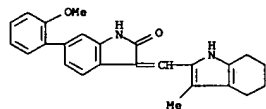
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L4 ANSWER 25 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

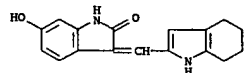
RN 245036-21-9 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(2-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



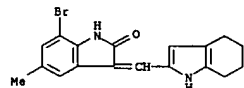
RN 245036-22-0 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(2-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 290821-14-6 CAPLUS
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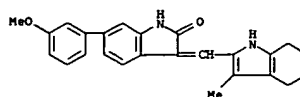


RN 290821-15-7 CAPLUS
 CN 2H-Indol-2-one, 7-bromo-1,3-dihydro-5-methyl-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

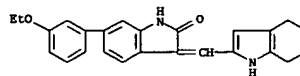


RN 290821-16-8 CAPLUS
 CN 2H-Indol-2-one, 6-bromo-1,3-dihydro-3-[(4,5,6,7-tetrahydro-3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

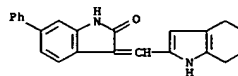
L4 ANSWER 25 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



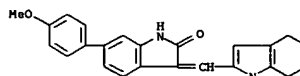
RN 245035-96-5 CAPLUS
 CN 2H-Indol-2-one, 6-(3-ethoxyphenyl)-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



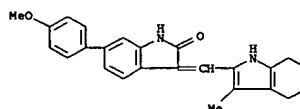
RN 245036-00-4 CAPLUS
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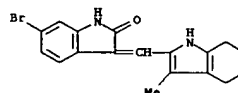
RN 245036-07-1 CAPLUS
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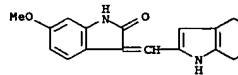
RN 245036-08-2 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(4-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



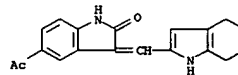
L4 ANSWER 25 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



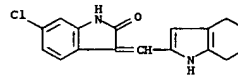
RN 290821-17-9 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-methoxy-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



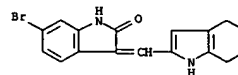
RN 290821-18-0 CAPLUS
 CN 2H-Indol-2-one, 5-acetyl-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 290821-19-1 CAPLUS
 CN 2H-Indol-2-one, 6-chloro-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

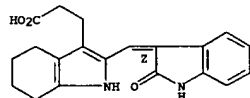


RN 290821-20-4 CAPLUS
 CN 2H-Indol-2-one, 6-bromo-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

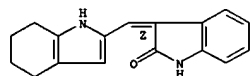


REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

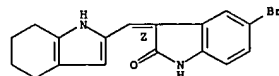
ACCESSION NUMBER: 2000:417312 CAPLUS
 DOCUMENT NUMBER: 133:159618
 TITLE: Identification of Substituted 3-[(4,5,6,7-Tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-ones as Growth Factor Receptor Inhibitors for VEGF-R2 (Flk-1/KDR), FGF-R1, and PDGF-RB Tyrosine Kinases
 AUTHOR(S): Sun, Li; Tran, Ngoc; Liang, Congming; Hubbard, Steve; Tang, Floris; Lipson, Kenneth; Schreck, Randall; Zhou, Yong; McMahon, Gerald; Tang, Cho
 CORPORATE SOURCE: SUGEN Inc., South San Francisco, CA, 94080-4811, USA
 SOURCE: Journal of Medicinal Chemistry (2000), 43(14), 2655-2663
 CODEN: JMCMAR; ISSN: 0022-2623
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB A series of new 3-substituted indolin-2-ones containing a tetrahydroindole moiety was developed as specific inhibitors of receptor tyrosine kinases associated with VEGF-R, FGF-R, and PDGF-R growth factor receptors. These compds. were evaluated for their inhibitory properties toward VEGF-R2 (Flk-1/KDR), FGF-R1, PDGF-RB, p60c-Src, and EGF-R tyrosine kinases and their ability to inhibit growth factor-dependent cell proliferation. Structure-activity relationships of this new pharmacophore have been determined at the level of kinase inhibition. Compds. containing a propionic acid moiety at the C-3' position of the tetrahydroindole ring represented the most potent indolin-2-ones to inactivate the VEGF, FGF, and PDGF receptor kinases. The inhibitory activities of 3-[3-(2-carboxyethyl)-4,5,6,7-tetrahydro-1H-indol-2-ylmethylene]-2-oxo-2,3-dihydro-1H-indole-5-carboxylic acid against VEGF-R2 (Flk-1), 3-[2-[6-(2-methoxyphenyl)-2-oxo-1,2-dihydroindol-3-ylidenemethyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propionic acid against FGF-R1, and 3-[2-(5-bromo-2-oxo-1,2-dihydroindol-3-ylidenemethyl)-4,5,6,7-tetrahydro-1H-indol-3-yl]propionic acid (I) against PDGF-RB were 4, 80, and 4 nM, resp. However, all of these compds. were inactive when tested against the EGF-R tyrosine kinase. Compds. 3-[2-(2-oxo-1,2-dihydroindol-3-ylidenemethyl)-4,5,6,7-tetrahydro-1H-indol-3-yl]propionic acid (II) and I represented the most potent inhibitors of these classes to inhibit both biochem. kinase and growth factor-dependent cell proliferation for these three targets. In addition, compound II was cocystd. with the catalytic domain of FGF-R1 providing evidence to explain the structure-activity relation results. This study has provided evidence to support the potential of these new tyrosine kinase inhibitors for the treatment of angiogenesis and other growth factor-related diseases including human cancers.
 IT 288144-28-5P
 RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process)
 (substituted [(tetrahydroindolyl)methylene]dihydroindolones as growth factor receptor inhibitors for VEGF-R2 (Flk-1/KDR) and FGF-R1, and PDGF-RB tyrosine kinases and as inhibitors of growth factor-dependent cell proliferation)
 RN 288144-28-5 CAPLUS
 CN 1H-Indole-3-propanoic acid, 2-[(2)-[1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)
 Double bond geometry as shown.



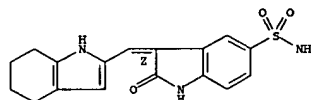
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 288144-22-9P 288144-23-0P 288144-24-1P
 288144-25-2P 288144-26-3P 288144-27-4P
 288144-29-6P 288144-30-9P 288144-31-0P
 288144-32-1P 288144-33-2P 288144-34-3P
 288144-35-4P 288144-36-5P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (substituted [(tetrahydroindolyl)methylene]dihydroindolones as growth factor receptor inhibitors for VEGF-R2 (Flk-1/KDR) and FGF-R1, and PDGF-RB tyrosine kinases and as inhibitors of growth factor-dependent cell proliferation)
 RN 288144-19-4 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)
 Double bond geometry as shown.



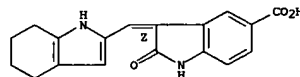
RN 288144-20-7 CAPLUS
 CN 2H-Indol-2-one, 5-bromo-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)
 Double bond geometry as shown.



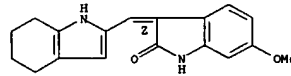
RN 288144-21-8 CAPLUS
 CN 1H-Indole-5-sulfonamide, 2,3-dihydro-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)
 Double bond geometry as shown.



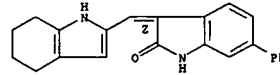
RN 288144-22-9 CAPLUS
 CN 1H-Indole-5-carboxylic acid, 2,3-dihydro-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)
 Double bond geometry as shown.



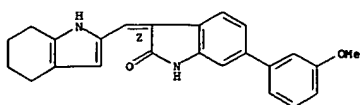
RN 288144-23-0 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-methoxy-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)
 Double bond geometry as shown.



RN 288144-24-1 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-phenyl-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)
 Double bond geometry as shown.

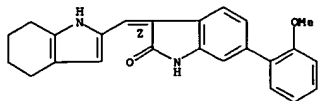


RN 288144-25-2 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(3-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)
 Double bond geometry as shown.



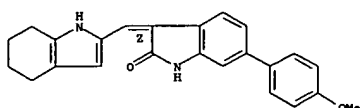
RN 288144-26-3 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-6-(2-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



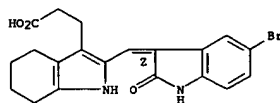
RN 288144-27-4 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-6-(4-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-, (3Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 288144-29-6 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(Z)-(5-bromo-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

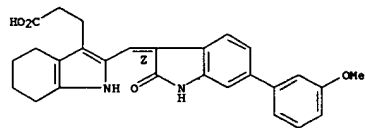
Double bond geometry as shown.



RN 288144-30-9 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(Z)-(5-(aminosulfonyl)-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

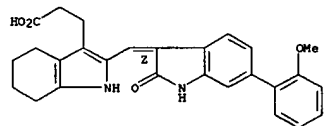
L4 ANSWER 26 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

Double bond geometry as shown.



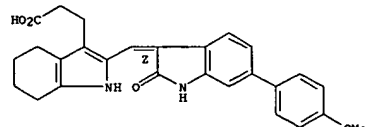
RN 288144-35-4 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(Z)-(1,2-dihydro-6-(2-methoxyphenyl)-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 288144-36-5 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(Z)-(1,2-dihydro-6-(4-methoxyphenyl)-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

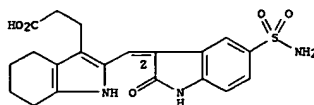
Double bond geometry as shown.



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

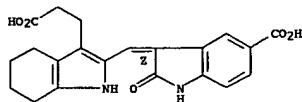
L4 ANSWER 26 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

Double bond geometry as shown.



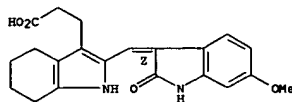
RN 288144-31-0 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(Z)-(5-carboxy-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



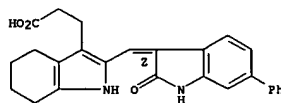
RN 288144-32-1 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(Z)-(1,2-dihydro-6-methoxy-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 288144-33-2 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(Z)-(1,2-dihydro-2-oxo-6-phenyl-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



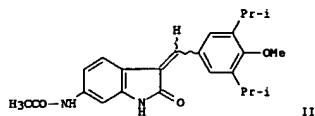
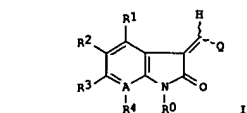
RN 288144-34-3 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(Z)-(1,2-dihydro-6-(3-methoxyphenyl)-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

L4 ANSWER 27 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN

ACCESSION NUMBER: 2000:117197 CAPLUS
DOCUMENT NUMBER: 132:166123
TITLE: 3-Methylidenyl-2-indolinone modulators of protein kinase
INVENTOR(S): Tang, Peng; Cho, Sun, Li; Miller, Todd Anthony; Liang, Congxin; Tran, Ngoc My; Nguyen, Anh Thi; Nematala, Asaad
PATENT ASSIGNEE(S): Sugen, Inc., USA
SOURCE: PCT Int. Appl., 347 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 12
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000008202	A2	20000217	WO 1999-US17845	19990804
WO 2000008202	A3	20000518		
V: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, HL, HR, NE, SN, TD, TG				
CA 2383623	AA	20000217	CA 1999-2383623	19990804
AU 9954684	A1	20000228	AU 1999-54684	19990804
JP 2002522452	T2	20020723	JP 2000-563824	19990804
US 6531502	B1	20030311	US 2001-762198	20010205
US 2002183364	A1	20021205	US 2001-13944	20011213
US 6680335	B2	20040120		
US 2004024010	A1	20040205	US 2003-383690	20030310
US 6855730	B2	20050215		
US 2004067531	A1	20040408	US 2003-458730	20030611
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			US 1998-95470P	P 19980805
			US 1998-102178P	P 19980928
			US 1999-116107P	P 19990115
			US 1997-915366	A2 19970820
			US 1998-72023P	P 19980121
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			US 1999-407164	A1 19990928
			US 2001-762198	A3 20010205

OTHER SOURCE(S): MARPAT 132:166123
GI



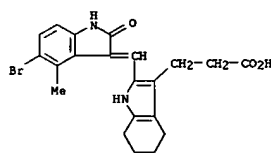
AB The title compds. (I) [wherein A = C or N; Q = substituted Ph, pyrrolyl, or indolyl; R0 = H, alkyl, C(O)R19, or C(O)OR19; R1 = H, (un)substituted alkyl, alkoxy, halo, aryl, (CH2)nOC(O)R19, or C(O)NR19; R2 = H, (cyclo)alkyl, (hetero)aryl, heterocyclic, trihalomethyl, alkoxy, halo, sulfamido, C(O)OR19, C(O)R19, NHC(O)OR19, (un)substituted amino, etc.; R3 = H, alkyl, trihalomethyl, alkoxy, aryl(oxy), heteroaryl, heterocyclic, OH, halo, sulfamido, C(O)R19, (un)substituted amino, etc.; R4 = H, alkyl, alkoxy, or halo; R19 = H, (cyclo)alkyl, alkenyl, alkynyl, or aryl; n = 1-4] were prepared as modulators of the activity of receptor tyrosine kinases (RTKs), non-receptor protein tyrosine kinases (CTKs), and serine/threonine protein kinases (STKs). Examples include over 200 syntheses and data from seventeen bioassays. For instance, II was prepared by a 3-step sequence involving: (1) cyclization and reduction of 2,4-dinitrophenylacetic acid with SnCl2.2H2O in EtOH to form 6-amino-2-oxindole, (2) amidation with AcCl in CH2Cl2, and (3) condensation of the amide with 3,5-diisopropyl-4-methoxybenzaldehyde. II was tested for HEP-2 kinase activity (IC50 = 6.4 μM), cellular proliferation activity as measured by the incorporation of bromodeoxyuridine (BrdU) driven by HEP-2 (IC50 = 3.1 μM) or EGF (IC50 = 11 μM), and antitumor activity as measured by growth of SKOV3 ovarian carcinoma cells (IC50 = 2.6 μM) or A431 human epidermoid carcinoma cells (IC50 = 2.2 μM). The invention compds. are expected to be useful in the prevention and treatment of protein kinase related cellular disorders such as cancer, diabetes, hepatic cirrhosis, cardiovascular disease, and immunol. disease.

IT 258831-72-09
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of 3-methylidenyl-2-indolinones as protein

kinase modulators for the prevention and treatment of cancer, diabetes, hepatic cirrhosis, cardiovascular disease, and immunol. disease)

RN 258831-72-0 CAPLUS

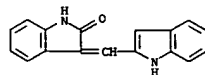
CN Carbamate acid, [2,3-dihydro-3-(1H-indol-2-ylmethylene)-2-oxo-1H-indol-5-yl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



IT 22813-86-1P 245036-10-6P 245036-15-1P
 245036-16-2P 245036-17-3P 245036-28-6P
 258830-49-8P 258830-51-2P 258830-53-4P
 258830-55-6P 258830-57-8P 258830-59-0P
 258830-61-4P 258830-63-6P 258830-64-7P
 258830-65-8P 258830-66-9P 258830-68-1P
 258830-69-2P 258830-70-5P 258830-71-6P
 258830-72-7P 258830-73-8P 258830-74-9P
 258830-75-0P 258830-76-1P 258830-77-2P
 258830-78-3P 258830-79-4P 258830-83-0P
 258830-88-5P 258830-92-1P 258830-93-2P
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 258831-09-3P

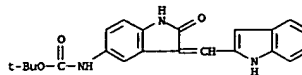
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (target compound; preparation of 3-methylidenyl-2-indolinones as protein kinase modulators for the prevention and treatment of cancer, diabetes, hepatic cirrhosis, cardiovascular disease, and immunol. disease)

RN 22813-86-1 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-(1H-indol-2-ylmethylene)- (9CI) (CA INDEX NAME)



RN 245036-10-6 CAPLUS

CN 1H-Indole-3-propanoic acid, 2-[[1,2-dihydro-6-(3-methoxyphenyl)-2-oxo-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

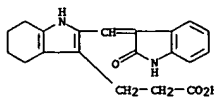


IT 245036-28-7P 258831-06-0P 258831-07-1P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (target compound; preparation of 3-methylidenyl-2-indolinones as protein kinase modulators for the prevention and treatment of cancer, diabetes, hepatic cirrhosis, cardiovascular disease, and immunol. disease)

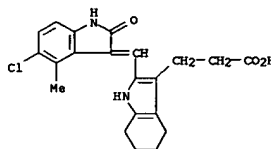
RN 245036-29-7 CAPLUS

CN 1H-Indole-3-propanoic acid, 2-[[1,2-dihydro-2-oxo-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



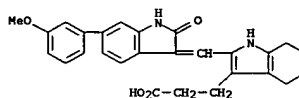
RN 258831-06-0 CAPLUS

CN 1H-Indole-3-propanoic acid, 2-[[5-chloro-1,2-dihydro-4-methyl-2-oxo-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



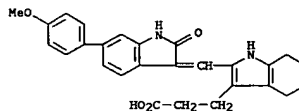
RN 258831-07-1 CAPLUS

CN 1H-Indole-3-propanoic acid, 2-[[5-bromo-1,2-dihydro-4-methyl-2-oxo-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



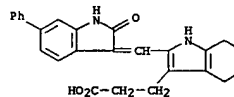
RN 245036-15-1 CAPLUS

CN 1H-Indole-3-propanoic acid, 2-[[1,2-dihydro-6-(4-methoxyphenyl)-2-oxo-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



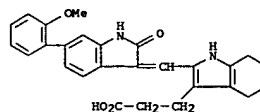
RN 245036-16-2 CAPLUS

CN 1H-Indole-3-propanoic acid, 2-[[1,2-dihydro-2-oxo-6-phenyl-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



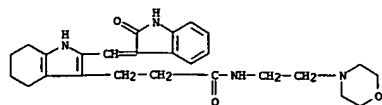
RN 245036-17-3 CAPLUS

CN 1H-Indole-3-propanoic acid, 2-[[1,2-dihydro-2-oxo-6-(2-methoxyphenyl)-2-oxo-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

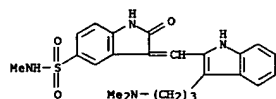


RN 245036-28-6 CAPLUS

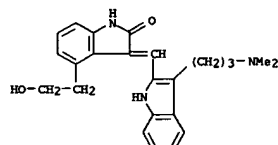
CN 1H-Indole-3-propanamide, 2-[[1,2-dihydro-2-oxo-3H-indol-3-ylidene]methyl]-4,5,6,7-tetrahydro-N-[2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)



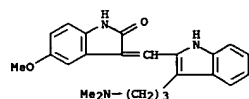
RN 258830-49-8 CAPLUS
CN 1H-indole-5-sulfonamide, 3-[[3-[(dimethylamino)propyl]-1H-indol-2-yl]methylene]-2,3-dihydro-N-methyl-2-oxo- (9CI) (CA INDEX NAME)



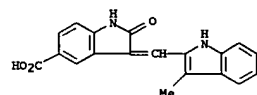
RN 258830-51-2 CAPLUS
CN 2H-indol-2-one, 3-[[3-[(dimethylamino)propyl]-1H-indol-2-yl]methylene]-1,3-dihydro-4-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RN 258830-53-4 CAPLUS
CN 2H-indol-2-one, 3-[[3-[(dimethylamino)propyl]-1H-indol-2-yl]methylene]-1,3-dihydro-5-methoxy- (9CI) (CA INDEX NAME)



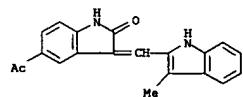
RN 258830-55-6 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-5-methyl-3-[(3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



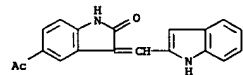
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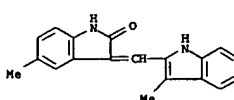
RN 258830-64-7 CAPLUS
CN 2H-indol-2-one, 5-acetyl-1,3-dihydro-3-[(3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



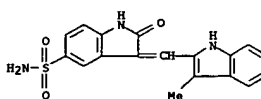
RN 258830-65-8 CAPLUS
CN 2H-indol-2-one, 5-acetyl-1,3-dihydro-3-[(1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



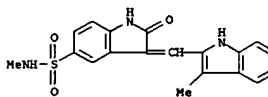
RN 258830-66-9 CAPLUS
CN 1H-indole-5-sulfonamide, 2,3-dihydro-3-[(1H-indol-2-yl)methylene]-2-oxo- (9CI) (CA INDEX NAME)



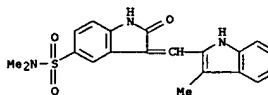
RN 258830-57-8 CAPLUS
CN 1H-indole-5-sulfonamide, 2,3-dihydro-3-[(3-methyl-1H-indol-2-yl)methylene]-2-oxo- (9CI) (CA INDEX NAME)



RN 258830-59-0 CAPLUS
CN 1H-indole-5-sulfonamide, 2,3-dihydro-N-methyl-3-[(3-methyl-1H-indol-2-yl)methylene]-2-oxo- (9CI) (CA INDEX NAME)

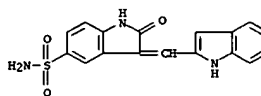


RN 258830-61-4 CAPLUS
CN 1H-indole-5-sulfonamide, 2,3-dihydro-N,N-dimethyl-3-[(3-methyl-1H-indol-2-yl)methylene]-2-oxo- (9CI) (CA INDEX NAME)

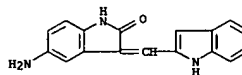


RN 258830-63-6 CAPLUS
CN 1H-indole-5-carboxylic acid, 2,3-dihydro-3-[(3-methyl-1H-indol-2-yl)methylene]-2-oxo-, compd. with piperidine (1:1) (9CI) (CA INDEX NAME)

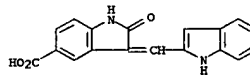
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CMF C19 H14 N2 O3



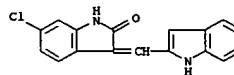
RN 258830-68-1 CAPLUS
CN 2H-indol-2-one, 5-amino-1,3-dihydro-3-[(1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



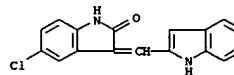
RN 258830-69-2 CAPLUS
CN 1H-indole-5-carboxylic acid, 2,3-dihydro-3-[(1H-indol-2-yl)methylene]-2-oxo- (9CI) (CA INDEX NAME)



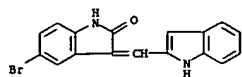
RN 258830-70-5 CAPLUS
CN 2H-indol-2-one, 6-chloro-1,3-dihydro-3-[(1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



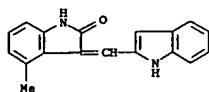
RN 258830-71-6 CAPLUS
CN 2H-indol-2-one, 5-chloro-1,3-dihydro-3-[(1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



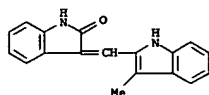
RN 258830-72-7 CAPLUS
CN 2H-indol-2-one, 5-bromo-1,3-dihydro-3-[(1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



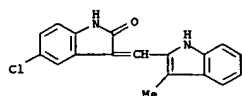
RN 258830-73-8 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-3-[(1H-indol-2-yl)methylene]-4-methyl- (9CI)
(CA INDEX NAME)



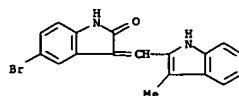
RN 258830-74-9 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-3-[(3-methyl-1H-indol-2-yl)methylene]- (9CI)
(CA INDEX NAME)



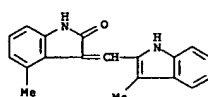
RN 258830-75-0 CAPLUS
CN 2H-indol-2-one, 5-chloro-1,3-dihydro-3-[(3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



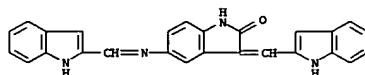
RN 258830-76-1 CAPLUS
CN 2H-indol-2-one, 5-bromo-1,3-dihydro-3-[(3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



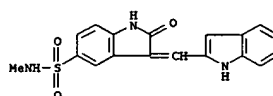
RN 258830-77-2 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-4-methyl-3-[(3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



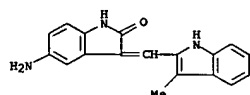
RN 258830-78-3 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-3-[(1H-indol-2-yl)methylene]-5-[(1H-indol-2-yl)methylene]amino- (9CI) (CA INDEX NAME)



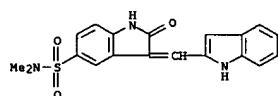
RN 258830-79-4 CAPLUS
CN 1H-indole-5-sulfonamide, 2,3-dihydro-3-[(1H-indol-2-yl)methylene]-N-methyl-2-oxo- (9CI) (CA INDEX NAME)



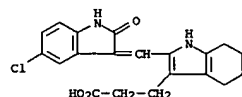
RN 258830-83-0 CAPLUS
CN 2H-indol-2-one, 5-amino-1,3-dihydro-3-[(3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



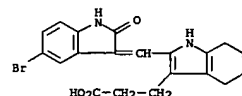
RN 258830-88-5 CAPLUS
CN 1H-indole-5-sulfonamide, 2,3-dihydro-3-[(1H-indol-2-yl)methylene]-N,N-dimethyl-2-oxo- (9CI) (CA INDEX NAME)



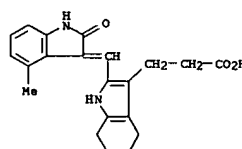
RN 258830-92-1 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(5-chloro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



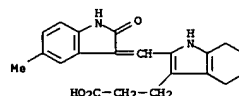
RN 258830-93-2 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(5-bromo-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



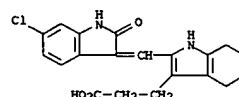
RN 258830-94-3 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(1,2-dihydro-4-methyl-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



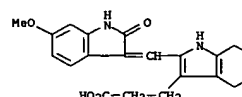
RN 258830-95-4 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(1,2-dihydro-5-methyl-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



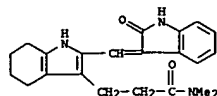
RN 258830-96-5 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(6-chloro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



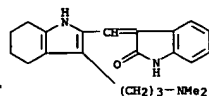
RN 258830-97-6 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(1,2-dihydro-6-methoxy-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



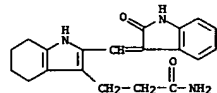
RN 258830-98-7 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-N,N-dimethyl- (9CI) (CA INDEX NAME)



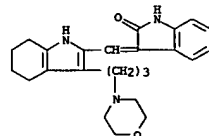
RN 258830-99-8 CAPLUS
CN 2H-indol-2-one, 3-[[3-[(3-dimethylamino)propyl]-4,5,6,7-tetrahydro-1H-indol-2-yl]methylene]-1,3-dihydro- (9CI) (CA INDEX NAME)



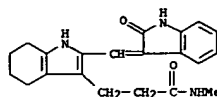
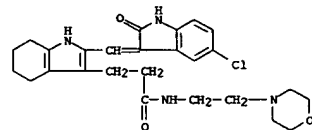
RN 258831-00-4 CAPLUS
CN 1H-indole-3-propanamide, 2-[[1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



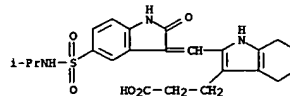
RN 258831-01-5 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-3-[[4,5,6,7-tetrahydro-3-[3-(4-morpholinyl)propyl]-1H-indol-2-yl]methylene]- (9CI) (CA INDEX NAME)



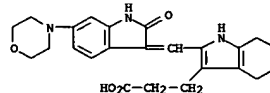
RN 258831-02-6 CAPLUS
CN 1H-indole-3-propanamide, 2-[[1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-N-methyl- (9CI) (CA INDEX NAME)



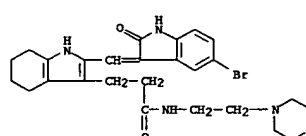
RN 258831-04-8 CAPLUS
CN 1H-indole-3-propanamide, 2-[[1,2-dihydro-5-[[[1-methylethyl]amino]sulfonyl]-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



RN 258831-05-9 CAPLUS
CN 1H-indole-3-propanamide, 2-[[1,2-dihydro-6-(4-morpholinyl)-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

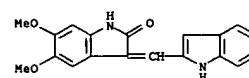


RN 258831-08-2 CAPLUS
CN 1H-indole-3-propanamide, 2-[[5-bromo-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-N-[2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 258831-09-3 CAPLUS
CN 1H-indole-3-propanamide, 2-[[5-chloro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-N-[2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)

ACCESSION NUMBER: 2000:64436 CAPLUS
DOCUMENT NUMBER: 132:342905
TITLE: Inhibition of transforming activity of the ret/ptcl oncoprotein by a 2-indolinone derivative
AUTHOR(S): Lanzi, Cinzia; Cassinelli, Giuliana; Pansa, Tiziana; Cassini, Marco; Gambetta, Romolo A.; Borrello, Maria G.; Menta, Ernesto; Pierotti, Marco A.; Zunino, Franco
CORPORATE SOURCE: Division of Experimental Oncology B, Istituto Nazionale Tumori, Milan, 20133, Italy
SOURCE: International Journal of Cancer (2000), 85(3), 384-390
CODEN: IJCNAB; ISSN: 0020-7136
PUBLISHER: Wiley-Liss, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Ret-derived oncogenes are frequently and specifically expressed in thyroid tumors. In contrast to the ret receptor, ret oncoproteins are characterized by ligand-independent tyrosine-kinase activity and tyrosine phosphorylation. In this study, novel synthetic arylidene 2-indolinone compds. were evaluated as inhibitors of the ret/ptcl tyrosine kinase. Four compds. inhibited ret/ptcl activity in immunokinase assay (IC50 27-42 μM) including one (1,3-dihydro-5,6-dimethoxy-3-[[4-hydroxyphenyl]methylene]-2H-indol-2-one) (Cpd I) that selectively inhibited the anchorage-independent growth of NIH3T3 transformants expressing the ret/ptcl gene (NIH3T3ptcl cells). Following exposure to Cpd I, the transformed phenotype of NIH3T3ptcl cells was reverted, within 24 h, to a normal fibroblast-like morphol. in adherent-cell culture. In these cells, the constitutive tyrosine phosphorylation of ret/ptcl, of the transducing adaptor protein shc and of a series of co-immunopptd. peptides became much reduced, as demonstrated by immunopptn./Western-blot analyses. Data presented provide addnl. evidence that ret/ptcl is directly implicated in malignant transformation, and demonstrate the ability of Cpd I to interfere in the signal transduction pathway constitutively activated by the ret/ptcl oncoprotein. These results confirm the interest of the arylidene 2-indolinone class of tyrosine-kinase inhibitors as tools for the study of ret signaling and the control of cell proliferation in ret- and ret/ptcs-associated diseases.
IT 269730-08-7
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(inhibition of transforming activity of ret/ptcl oncoprotein by 2-indolinone derivs.)
RN 269730-08-7 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-3-(1H-indol-2-ylmethylene)-5,6-dimethoxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

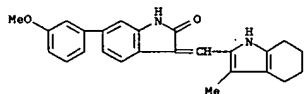
L4 ANSWER 29 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN
 ACCESSION NUMBER: 1999:626172 CAPLUS
 DOCUMENT NUMBER: 131:257441
 TITLE: Heterocyclic families of compounds [tricyclic-based indolinones and pyrazolecarboxylic acid amides] for the modulation of tyrosine protein kinase
 INVENTOR(S): Fong, Annie; Hannah, Allison; Harris, David G.; Hirth, Peter; Hubbard, Steven R.; Langecker, Peter; Liang, Congxin; McMahon, Gerald; Mohammadi, Moosa; Schlessinger, Joseph; Shaver, Laura K.; Sun, Li; Tang, Peng C.; Ullrich, Axel
 PATENT ASSIGNEE(S): Sugen, Inc., USA; New York University; Max-Planck Institut für Biochemie
 SOURCE: PCT Int. Appl., 269 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 12
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9948868	A2	19990930	WO 1999-US6468	19990326
WO 9948868	A3	20000224		
V: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GR, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2325935	AA	19990930	CA 1999-2325935	19990326
AU 9933635	A1	19991018	AU 1999-33635	19990326
EP 1066257	A2	20010110	EP 1999-915018	19990326
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002507598	T2	20020312	JP 2000-537851	19990326
US 6514981	B1	20030204	US 1999-283657	19990401
US 20030203901	A1	20031030	US 2002-302932	20021125
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S): MARPAT 131:257441				
G1				

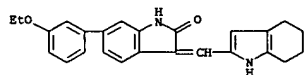
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to certain indolinone-based and pyrazolylamide-based compounds. I and II, their method of synthesis, and combinatorial libraries consisting of the compounds. [wherein AB = atoms to make up 1-2 fused and/or connected rings; R = aromatic or heteroarom. ring which may form an addnl.

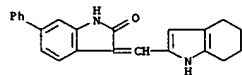
L4 ANSWER 29 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



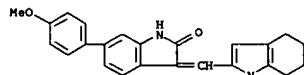
RN 245035-96-5 CAPLUS
 CN 2H-Indol-2-one, 6-(3-methoxyphenyl)-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 245036-00-4 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-phenyl-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



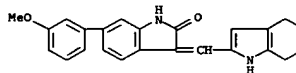
RN 245036-07-1 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(4-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 245036-08-2 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(4-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

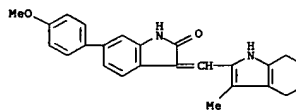
L4 ANSWER 29 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 ring by cyclization to the methylene group; R1, R2 = H, alkyl, (hetero)aryl or -aliph. ring, amino, NO2, halo, etc.; R3 = (un)substituted Ph; Z = (un)substituted (CH2)0-3; R4, R5 = H, alkyl, (hetero)aryl or -aliph., amine, ketone, etc.). The invention also relates to methods of modulating the function of protein kinases using these compounds, and methods of treating diseases by modulating the function of protein kinases and related signal transduction pathways. Data for preps. and/or biol. activity are given, as well as the preps. of various oxindole intermediates. For instance, the pyrazolecarboxamide deriv. III gave up to 70% inhibition of growth of Calu-6 human lung carcinoma cells as a xenograft in mice. As another example, the indolinone deriv. IV was prepd. by condensation of 6-(4-methoxyphenyl)-2-oxindole with 3,5-dimethyl-1H-pyrrole-2-carboxaldehyde in the presence of piperidine. Extensive tests of a few selected compounds against a variety of protein kinases are described.

IT 245035-88-59, 6-(3-Methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-one 245035-92-29, 6-(3-Methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-one 245035-96-59, 6-(3-Ethoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-one 245036-00-49, 6-Phenyl-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-one 245036-07-19, 6-(4-Methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-one 245036-08-29, 6-(4-Methoxyphenyl)-3-[(3-methyl-4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-one 245036-10-69, 3-[(6-(3-Methoxyphenyl)-2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propionic acid 245036-15-19, 3-[(2-[(6-(4-Methoxyphenyl)-2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propionic acid 245036-16-29, 3-[(2-[(2-Oxo-6-phenyl-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propionic acid 245036-17-39, 3-[(2-[(6-(2-Methoxyphenyl)-2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propionic acid 245036-21-99, 6-(2-Methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-one 245036-22-09, 6-(2-Methoxyphenyl)-3-[(3-methyl-4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-one 245036-28-69, N-(2-Morpholin-4-ylethyl)-3-[(2-[(2-oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propionamide 245036-29-79, 3-[(2-[(2-Oxo-1,2-dihydroindol-3-ylidene)methyl]-4,5,6,7-tetrahydro-1H-indol-3-yl]propionic acid
 RU: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (target compound); preparation of pyrazolecarboxylic acid amides and (aryl)methyleneindolinones as protein tyrosine kinase modulators
 RN 245035-88-5 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-6-(3-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

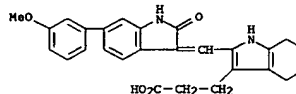


RN 245035-93-2 CAPLUS
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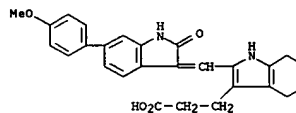
L4 ANSWER 29 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)



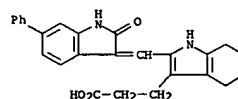
RN 245036-10-6 CAPLUS
 CN 1H-Indole-3-propanoic acid, 2-[(1,2-dihydro-6-(3-methoxyphenyl)-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



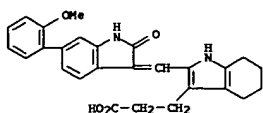
RN 245036-15-1 CAPLUS
 CN 1H-Indole-3-propanoic acid, 2-[(1,2-dihydro-6-(4-methoxyphenyl)-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



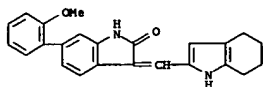
RN 245036-16-2 CAPLUS
 CN 1H-Indole-3-propanoic acid, 2-[(1,2-dihydro-2-oxo-6-phenyl-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



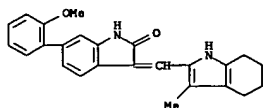
RN 245036-17-3 CAPLUS
 CN 1H-Indole-3-propanoic acid, 2-[(1,2-dihydro-6-(2-methoxyphenyl)-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



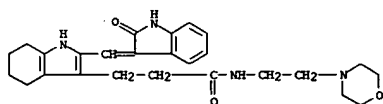
RN 245036-21-9 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-6-(2-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 245036-22-0 CAPLUS
CN 2H-indol-2-one, 1,3-dihydro-6-(2-methoxyphenyl)-3-[(4,5,6,7-tetrahydro-3-methyl-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 245036-28-6 CAPLUS
CN 1H-indole-3-propanamide, 2-[(1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro-N-[2-(4-morpholinyl)ethyl]- (9CI) (CA INDEX NAME)

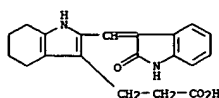


RN 245036-29-7 CAPLUS
CN 1H-indole-3-propanoic acid, 2-[(1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

L4 ANSWER 30 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN

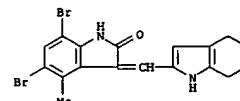
ACCESSION NUMBER: 1998:747592 CAPLUS
DOCUMENT NUMBER: 130:3771
TITLE: Preparation of 3-(hetero)arylmethylidene-2-indolinone derivatives as modulators of protein kinase activity for use in treating cancer.
INVENTOR(S): Tang, Peng Choy Sun, Li; McMahon, Gerald; Shawver, Laura Kay; Hirth, Klaus Peter
PATENT ASSIGNEE(S): Sugen, Inc., USA
SOURCE: PCT Int. Appl., 269 pp.
CODEN: PIXX02
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9850356	A1	19981112	WO 1998-US9017	19980507
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2289102	AA	19981112	CA 1998-2289102	19980507
AU 9876842	A1	19981127	AU 1998-76842	19980507
EP 984930	A1	20000315	EP 1998-924746	19980507
EP 984930	B1	20050406		
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JP 2002511852	T2	20020416	JP 1998-548319	19980507
AT 292623	E	20050415	AT 1998-924746	19980507
US 6051593	A	20000418	US 1998-99721	19980619
US 6313158	B1	20011106	US 1998-100854	19980619
US 6133305	A	20001017	US 1998-161046	19980925
US 2001056094	A1	20011227	US 2000-482198	20000112
US 2001007033	A1	20010705	US 2000-516948	20000301
US 2002026053	A1	20020228	US 2001-916331	20010730
US 6506763	B2	20030114		
US 2002058661	A1	20020516	US 2001-948106	20010907
US 6696463	B2	20040224		
US 2002183370	A1	20021205	US 2001-29946	20011231
US 6579897	B2	20000617		
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US 2004106618	A1	20040603	US 2003-725267	20031202
PRIORITY APPLN. INFO.:				
			US 1997-45838P	P 19970507
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			US 1997-59677P	P 19970919
			US 1997-59971P	P 19970925
			US 1997-60194P	P 19970926



L4 ANSWER 30 OF 35 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

US 1998-74621 A3 19980507
WO 1998-US9017 W 19980507
US 1998-100854 A3 19980619
US 1998-99721 A1 19980619
US 1998-161046 A3 19980925
US 2000-482198 A3 20000112
US 2000-516948 B1 20000301
US 2001-819698 A3 20010329
OTHER SOURCE(S): MARPAT 130:3771
GI
AB Title compds. (I; A1-A4 = C, N; when any of A1-A4 = N, then the corresponding R3-R6 = null; R1 = H, alkyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, heteroalkyl, trihalomethylcarbonyl, OH, CO2H, trihalomethylsulfonyl, etc.; R2 = H, alkyl, cycloalkyl, aryl, heteroaryl, heteroalkyl, halo; R3-R6 = H, alkyl, trihalomethyl, cycloalkyl, alkenyl, alkynyl, aryl, heteroaryl, heteroalkyl, OH, SH, alkoxy, aryloxy, amino, phosphonyl, guanidiny, NO2, halo, (iso)cyanato, etc.; R3R4 or R4R5 or R5R6 = cycloalkyl, aryl, heteroaryl, heteroalkyl, OCH2O, OCH2CH2O; Q = specified (substituted) (hetero)aryl; Z = O, S], were prepared Thus, 3-(4-imidazolymethylidenyl)-4,6-dimethyl-2-indolinone inhibited CDK2 with IC50 = <0.78 µM.
IT 215537-21-6
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(preparation of 3-(hetero)arylmethylidene-2-indolinone derivs. as modulators of protein kinase activity for use in treating cancer)
RN 215537-21-6 CAPLUS
CN 2H-indol-2-one, 5,7-dibromo-1,3-dihydro-4-methyl-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

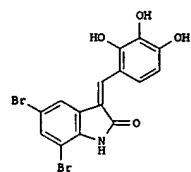


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 1998:147306 CAPLUS
 DOCUMENT NUMBER: 128:204803
 TITLE: Indolinone combinatorial libraries and related products and methods for the treatment of disease
 INVENTOR(S): Tang, Peng Cho; Sun, Li; McMahon, Gerald; Hirth, Klaus; Peter, Shawver, Laura Kay; et al.
 PATENT ASSIGNEE(S): Sugen, Inc., USA; Tang, Peng Cho; Sun, Li; McMahon, Gerald
 SOURCE: PCT Int. Appl., 293 pp.
 DOCUMENT TYPE: CODEN: PIXXD2
 LANGUAGE: Patent
 FAMILY ACC. NUM. COUNT: English
 12
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9807695	A1	19980226	WO 1997-US14736	19970820
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CH, GA, GN, ML, MR, NE, SN, TD, TG				
CN 1155838	A	19970730	CN 1996-190616	19960605
CA 2264220	AA	19980226	CA 1997-2264220	19970820
EP 929520	A1	19990721	EP 1997-939480	19970820
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2001503736	T2	20010321	JP 1998-510973	19970820
EP 1247803	A2	20021009	EP 2002-77564	19970820
EP 1247803	A3	20021016		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AU 9741556	A1	19980306	AU 1997-41556	19970821
PRIORITY APPLN. INFO.:				
			US 1996-702232	A 19960823
			US 1996-31585P	P 19961205
			US 1996-31586P	P 19961205
			US 1996-31588P	P 19961205
			US 1996-32546P	P 19961205
			US 1996-32547P	P 19961205
			US 1997-45565P	P 19970505
			US 1997-45566P	P 19970505
			US 1997-45714P	P 19970505
			US 1997-45715P	P 19970505
			US 1997-46843P	P 19970505
			EP 1997-939480	A3 19970820
			WO 1997-US14736	W 19970820

OTHER SOURCE(S): MARPAT 128:204803
 GI

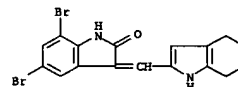


AB The invention relates to indolinone derivs. capable of modulating, regulating, and/or inhibiting protein kinase signal transduction. The compds. are useful for the treatment of diseases related to unregulated protein kinase signal transduction, including cell proliferative diseases such as cancer, atherosclerosis, arthritis, and restenosis, and metabolic diseases such as diabetes. Inhibitors specific to the FLK protein kinase can be obtained by adding chemical substituents to the 3-((indole-3-yl)methylene)-2-indolinone system, in particular at the 1' position of the indole ring. Indolinone compds. that specifically inhibit the FLK and platelet derived growth factor protein kinases can harbor a tetrahydroindole or cyclopentano[b]pyrrole moiety. Indolinone compds. that are modified with substituents, particularly at the 5 position of the oxindole ring, can effectively activate protein kinases. This invention also features novel hydrosol. indolinone compds. that are tyrosine kinase inhibitors, and related products and methods. Approx. 1200 title compds., such as I, were prepared by combinatorial condensation of certain (un)substituted indolinones with aldehydes at the 3-position. I gave complete inhibition of MET kinase at chimeric MET receptors in vitro.

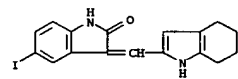
IT 203991-59-7P, 3-[(4,5,6,7-Tetrahydroindol-2-yl)methylidenyl]-5,7-dibromo-2-indolinone 203991-69-9P, 3-[(4,5,6,7-Tetrahydroindol-2-yl)methylidenyl]-5-iodo-2-indolinone 203991-79-1P, 3-[(4,5,6,7-Tetrahydroindol-2-yl)methylidenyl]-5-bromo-4-methyl-2-indolinone 203991-89-3P, 3-[(4,5,6,7-Tetrahydroindol-2-yl)methylidenyl]-5-[(methylamino)sulfonyl]-2-indolinone 203991-99-5P, 3-[(4,5,6,7-Tetrahydroindol-2-yl)methylidenyl]-5-[[[4-(trifluoromethyl)phenyl]amino]sulfonyl]-2-indolinone 203992-09-0P, 3-[(4,5,6,7-Tetrahydroindol-2-yl)methylidenyl]-5-(morpholinosulfonyl)-2-indolinone 203992-19-2P, 3-[(4,5,6,7-Tetrahydroindol-2-yl)methylidenyl]-5-(2-chloroethyl)-2-indolinone 204003-84-8P 204003-85-0P 204003-88-3P 204003-89-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and testing of indolinone combinatorial library as protein kinase inhibitors)

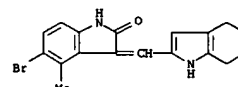
RN 203991-59-7 CAPLUS
 CN 2H-Indol-2-one, 5,7-dibromo-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



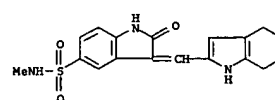
RN 203991-69-9 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-5-iodo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



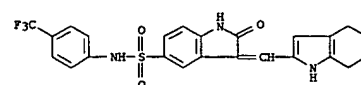
RN 203991-79-1 CAPLUS
 CN 2H-Indol-2-one, 5-bromo-1,3-dihydro-4-methyl-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 203991-89-3 CAPLUS
 CN 1H-Indole-5-sulfonamide, 2,3-dihydro-N-methyl-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)

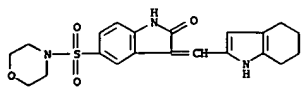


RN 203991-99-5 CAPLUS
 CN 1H-Indole-5-sulfonamide, 2,3-dihydro-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

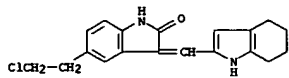


L4 ANSWER 31 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

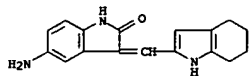
RN 203992-09-0 CAPLUS
CN Morpholine, 4-[[2,3-dihydro-2-oxo-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]-1H-indol-5-yl)sulfonyl]- (9CI) (CA INDEX NAME)



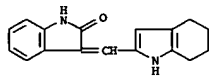
RN 203992-19-2 CAPLUS
CN 2H-Indol-2-one, 5-(2-chloroethyl)-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 204003-84-9 CAPLUS
CN 2H-Indol-2-one, 5-amino-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



RN 204003-85-0 CAPLUS
CN 2H-Indol-2-one, 1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



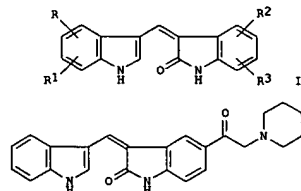
RN 204003-88-3 CAPLUS
CN 2H-Indol-2-one, 5-chloro-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



L4 ANSWER 32 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1996:746204 CAPLUS
DOCUMENT NUMBER: 126:18783
TITLE: Substituted indolylmethylene-oxindole analogs as tyrosine kinase inhibitors
INVENTOR(S): Battistini, Carlo; Ballinari, Dario; Ermoli, Antonella; Penco, Sergio; Vioglio, Sergio
PATENT ASSIGNEE(S): Pharmacia S.P.A., Italy
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

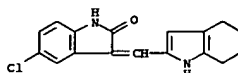
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9632380	A1	19961017	WO 1996-EP1165	19960314
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 764152	A1	19970326	EP 1996-907500	19960314
EP 764152	B1	20020731		
R: DE, ES, FR, GB, IT, SE				
JP 10501821	T2	19980217	JP 1996-530667	19960314
ES 2181875	T3	20030301	ES 1996-907500	19960314
US 5849710	A	19981215	US 1996-750208	19961204
PRIORITY APPLN. INFO.:			GB 1995-7298	A 19950407
			WO 1996-EP1165	W 19960314
OTHER SOURCE(S):		MARPAT 126:18783		
GI				



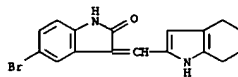
II

AB Indol-3-ylmethylene-2-oxindole derivs. I and their pharmaceutically acceptable salts are disclosed [wherein 1 or 2 of R, R1, R2, and R3 = X(CH2)mNH2, X(CH2)nNR4R5, X(CH2)mNHR6, NHC(:NH)NH2, NHC(:NH)NR4R5, NHC(:NH)NHR6, N:CHNH2, N:CHNR4R5, N:CHNHR6, X(CH2)mCOR7, COR8, COOR8, YCOY'R9, NHR6, NHR10 group; remaining groups within R and R1-R3 = H, halo, amino, OH, alkyl, alkoxy, CO2H, alkoxy-carbonyl, alkanoyloxy, cyano, NR4R5; X = O, S, NH; m = 1-4; 1 of R4 and R5 = H or alkyl, and other = alkyl; or NR4R5 forms saturated heterocycle; R6 = alkanoyl, 1- to 3-residue (un)substituted peptidyl; R7 = OH, amino, alkoxy, NR4R5; R8 = amino terminus of 1- to 3-unit peptidyl; R9 = alkoxy, phenylalkoxy, (CH2)nNH2, (CH2)nNR4R5, (CH2)nNHR6; n = 1-2; Y, Y' = NH, O; R9 = Ph, alkyl, phenylalkyl; R10 = mono-, di- or trihydroxyalkyl]. I have tyrosine kinase

L4 ANSWER 31 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



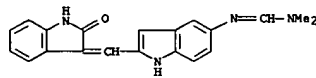
RN 204003-89-4 CAPLUS
CN 2H-Indol-2-one, 5-bromo-1,3-dihydro-3-[(4,5,6,7-tetrahydro-1H-indol-2-yl)methylene]- (9CI) (CA INDEX NAME)



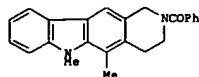
REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 32 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

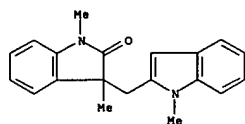
inhibiting activity, and are useful as antiproliferative, antimetastatic, anticancer, antiatheromatous, anti-Alzheimer, and immunomodulating agents. For example, 2-indolinone reacted with BrCH2COBr and AlCl3 to give the 5-(2-bromoacetyl) deriv., which underwent amination with piperidine and then condensation with indole-3-carboxaldehyde, to give title compd. II (PCE 28484). In tests for inhibition of p45 v-abl kinase and K562 leukemia cells in vitro, II had IC50 of 0.78 and 4.82 μM, resp.
IT 184020-79-99
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of (indolylmethylene)oxindole analogs as tyrosine kinase inhibitors)
RN 184020-79-9 CAPLUS
CN Methanimidamide, N'-[2-[(1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-1H-indol-5-yl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



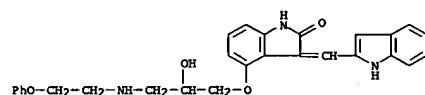
L4 ANSWER 33 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1995:427382 CAPLUS
 DOCUMENT NUMBER: 123:33475
 TITLE: Palladium-catalyzed tandem cyclization-cross-coupling reaction with triethyl(1-methylindol-2-yl)borate
 AUTHOR(S): Ishikura, Minoru
 CORPORATE SOURCE: Fac. Pharm. Sci., Health Sci. Univ. Hokkaido, Hokkaido, 061-02, Japan
 SOURCE: Journal of the Chemical Society, Chemical Communications (1995), (4), 409-10
 CODEN: JOCCAT; ISSN: 0022-4936
 PUBLISHER: Royal Society of Chemistry
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 123:33475
 GI



AB Triethyl(1-methylindol-2-yl)borate is successfully applied for the palladium-catalyzed tandem cyclization-cross-coupling reaction, which is used for a concise access to ellipticine derivs., e.g. I.
 IT 163977-07-99
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (palladium-catalyzed tandem cyclization-cross-coupling reaction with triethyl(methylindolyl)borate)
 RN 163977-07-9 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-1,3-dimethyl-3-[(1-methyl-1H-indol-2-yl)methyl]- (9CI) (CA INDEX NAME)



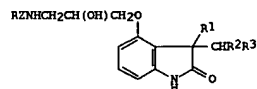
L4 ANSWER 34 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



L4 ANSWER 34 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1985:131907 CAPLUS
 DOCUMENT NUMBER: 102:131907
 TITLE: 2-Indolinone derivatives, pharmaceuticals containing them, and their intermediate products
 INVENTOR(S): Michel, Helmut; Marzenell, Klaus; Kampe, Wolfgang; Bartsch, Wolfgang; Schaumann, Wolfgang
 PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
 SOURCE: Ger. Offen., 35 pp.
 CODEN: GWXKX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

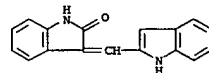
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3310891	A1	19840927	DE 1983-3310891	19830325
EP 121176	A1	19841010	EP 1984-103045	19840320
EP 121176	B1	19870930		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 30021	E	19871015	AT 1984-103045	19840320
JP 59176253	A2	19841005	JP 1984-54612	19840323
US 4642309	A	19870210	US 1985-780704	19850926
PRIORITY APPLN. INFO.:			DE 1983-3310891	A 19830325
			EP 1984-103045	A 19840320
			US 1984-592616	A1 19840323

OTHER SOURCE(S): CASREACT 102:131907
 GI

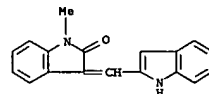


AB Indolinones I (R = alkyl, (un)substituted Ph; R1 = R2 = H, R1R2 = bond; R3 = (un)substituted Ph, heterocyclyl; Z = alkylene, O, S, bond) were prepared as antihypertensives and β -sympatholytics (no data). Thus, Et 2-(2-oxiranylmethyl)-6-nitrobenzenesuccinate was treated Me2CHNH2 and cyclized by hydrogenation over Pd-C to give 89% 4-[2-hydroxy-3-(isopropylamino)propoxy]-2-indolinone. The latter was condensed with 2-HOC6H4CHO to give 47% I (R = Me2CH, R1R2 = Z = bond, R3 = 2-HOC6H4), which was hydrogenated over Pd-C to give 34% I.BrOH (R = Me2CH, R1 = R2 = H, R3 = 2-HOC6H4, Z = bond).
 IT 94533-28-59
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 94533-28-5 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-4-[(2-hydroxy-3-[(2-phenoxymethyl)amino]propoxy)-3-(1H-indol-2-ylmethylene)]- (9CI) (CA INDEX NAME)

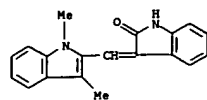
L4 ANSWER 35 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 1969:403203 CAPLUS
 DOCUMENT NUMBER: 71:3203
 TITLE: Indole chemistry. VI. α,β' -diindolylmethanes and α,β' -diindolylmethanes
 AUTHOR(S): Von Döbeneck, Henning; Wolkenstein, Dieter; Blankenstein, Guenter
 CORPORATE SOURCE: Tech. Hochsch. Muenchen, Munich, Fed. Rep. Ger.
 SOURCE: Chemische Berichte (1969), 102(4), 1347-56
 CODEN: CHBEAM; ISSN: 0009-2940
 DOCUMENT TYPE: Journal
 LANGUAGE: German
 GI For diagram(s), see printed CA issue.
 AB Urocosein was prepared by polycondensation of indol-3-ylglycolic acid, followed by oxidation with the formation of the α,β' -diindolylmethane chromophore. α,β' -Diindolylmethanes (I) were prepared by the reaction of α - and β -unsubstituted indoles with glyoxylic acid; α,β' -diindolylmethanes, from α -formylindoles and β -unsubstituted indoles. Oxo- β,β' - and oxo- α,β' -diindolylmethanes were prepared from β - and α -formylindoles and oxindoles.
 IT 22813-86-1P 22813-87-2P 22813-88-3P
 22813-89-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 22813-86-1 CAPLUS
 CN 2H-Indol-2-one, 1,3-dihydro-3-(1H-indol-2-ylmethylene)- (9CI) (CA INDEX NAME)



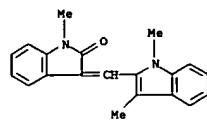
RN 22813-87-2 CAPLUS
 CN 2-Indolinone, 3-(indol-2-ylmethylene)-1-methyl- (8CI) (CA INDEX NAME)



RN 22813-88-3 CAPLUS
 CN 2-Indolinone, 3-[(1,3-dimethylindol-2-yl)methylene]- (8CI) (CA INDEX NAME)



RN 22813-89-4 CAPLUS
CN 2-Indolinone, 3-[(1,3-dimethylindol-2-yl)methylene]-1-methyl- (8CI) (CA
INDEX NAME)



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

173.80

335.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-25.55

-25.55

STN INTERNATIONAL LOGOFF AT 14:22:56 ON 03 AUG 2005